

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043406.D
 Acq On : 30 Oct 2019 18:37
 Operator : JU
 Sample : K5543-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-IMS

Manual Integrations
 APPROVED

mohammad
 10/31/2019 2:51:55 PM

Quant Time: Oct 31 05:42:32 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	39766	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	159961	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	115154	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	272811	20.00	ng	0.00
76) Chrysene-d12	21.66	240	300959	20.00	ng	0.00
87) Perylene-d12	24.86	264	351669	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	324969	149.75	ng	0.00
7) Phenol-d6	7.21	99	466335	149.36	ng	0.01
23) Nitrobenzene-d5	9.19	82	274437	88.45	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	300561	137.16	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	756803	90.81	ng	0.00
79) Terphenyl-d14	20.00	244	1478965	92.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.48	88	32021	37.865	ng	# 92
3) Pyridine	3.88	79	79438	37.238	ng	98
4) n-Nitrosodimethylamine	3.80	42	49598	46.075	ng	# 80
6) Aniline	7.35	93	135480	37.668	ng	94
8) 2-Chlorophenol	7.60	128	118058	49.282	ng	96
9) Benzaldehyde	7.16	77	62532	40.753	ng	91
10) Phenol	7.24	94	154229	54.056	ng	98
11) bis(2-Chloroethyl)ether	7.44	93	95954	43.500	ng	96
12) 1,3-Dichlorobenzene	7.91	146	126040	41.994	ng	99
13) 1,4-Dichlorobenzene	8.05	146	128699	42.381	ng	97
14) 1,2-Dichlorobenzene	8.38	146	124985	42.153	ng	95
15) Benzyl Alcohol	8.27	79	104824	47.804	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.55	45	132682	41.366	ng	96
17) 2-Methylphenol	8.48	107	100828	48.477	ng	91
18) Hexachloroethane	9.11	117	45321	41.366	ng	97
19) n-Nitroso-di-n-propylamine	8.82	70	87236	43.239	ng	99
20) 3+4-Methylphenols	8.81	107	139422	48.884	ng	88
22) Acetophenone	8.85	105	170365	41.589	ng	# 96
24) Nitrobenzene	9.23	77	131217	44.394	ng	96
25) Isophorone	9.75	82	248754	43.851	ng	99
26) 2-Nitrophenol	9.94	139	67988	47.645	ng	95
27) 2,4-Dimethylphenol	10.01	122	110008	53.787	ng	95
28) bis(2-Chloroethoxy)methane	10.23	93	134485	42.955	ng	97
29) 2,4-Dichlorophenol	10.49	162	132432	50.537	ng	96
30) 1,2,4-Trichlorobenzene	10.69	180	144609	43.784	ng	94
31) Naphthalene	10.88	128	364270	44.863	ng	97
32) Benzoic acid	10.19	122	60372	40.420	ng	96
33) 4-Chloroaniline	10.99	127	68700	20.641	ng	95
34) Hexachlorobutadiene	11.16	225	98566	40.371	ng	97
35) Caprolactam	11.76	113	43519m	48.220	ng	
36) 4-Chloro-3-methylphenol	12.13	107	135583	47.433	ng	98
37) 2-Methylnaphthalene	12.48	142	285127	45.767	ng	99
38) 1-Methylnaphthalene	12.70	142	269007	45.382	ng	93
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	182348	42.788	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043406.D
 Acq On : 30 Oct 2019 18:37
 Operator : JU
 Sample : K5543-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-1MS

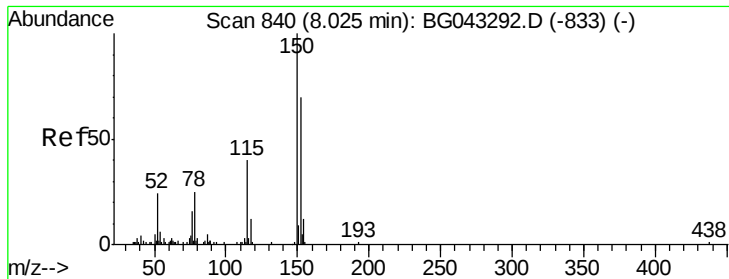
Manual Integrations
 APPROVED

mohammad
 10/31/2019 2:51:55 PM

Quant Time: Oct 31 05:42:32 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	231877	103.577	nq	97
43) 2,4,6-Trichlorophenol	13.09	196	122403	48.771	nq	98
44) 2,4,5-Trichlorophenol	13.18	196	131151	51.689	nq	99
46) 1,1'-Biphenyl	13.48	154	384615	43.904	nq	97
47) 2-Chloronaphthalene	13.53	162	300308	45.054	nq	98
48) 2-Nitroaniline	13.73	65	88163	44.255	nq	95
49) Acenaphthylene	14.38	152	490948	47.326	nq	97
50) Dimethylphthalate	14.11	163	500550	56.119	nq	100
51) 2,6-Dinitrotoluene	14.22	165	90369	46.636	nq	93
52) Acenaphthene	14.72	154	292210	46.190	nq	97
53) 3-Nitroaniline	14.56	138	55467	29.648	nq	95
54) 2,4-Dinitrophenol	14.76	184	96586	79.838	nq	93
55) Dibenzofuran	15.05	168	475768	46.375	nq	99
56) 4-Nitrophenol	14.89	139	133653	106.606	nq	90
57) 2,4-Dinitrotoluene	15.02	165	130489	47.121	nq	92
58) Fluorene	15.70	166	393828	45.770	nq	97
59) 2,3,4,6-Tetrachlorophenol	15.28	232	131388	48.739	nq	# 97
60) Diethylphthalate	15.46	149	401416	44.790	nq	98
61) 4-Chlorophenyl-phenylether	15.69	204	228233	45.468	nq	96
62) 4-Nitroaniline	15.73	138	84743	43.860	nq	98
63) Azobenzene	15.98	77	332782	45.880	nq	99
65) 4,6-Dinitro-2-methylphenol	15.78	198	77659	48.371	nq	99
66) n-Nitrosodiphenylamine	15.90	169	350984	45.570	nq	96
67) 4-Bromophenyl-phenylether	16.58	248	163002	44.397	nq	98
68) Hexachlorobenzene	16.70	284	184008	43.662	nq	98
69) Atrazine	16.85	200	153659	57.414	nq	95
70) Pentachlorophenol	17.05	266	199027	103.643	nq	95
71) Phenanthrene	17.44	178	633648	45.358	nq	100
72) Anthracene	17.53	178	659712	47.199	nq	99
73) Carbazole	17.80	167	587686	46.430	nq	98
74) Di-n-butylphthalate	18.35	149	692000	45.058	nq	100
75) Fluoranthene	19.45	202	844205	46.353	nq	99
77) Benzidine	19.63	184	324067	53.504	nq	98
78) Pyrene	19.80	202	849905	45.623	nq	99
80) Butylbenzylphthalate	20.69	149	324177	45.932	nq	95
81) Benzo(a)anthracene	21.64	228	874158	46.370	nq	99
82) 3,3'-Dichlorobenzidine	21.56	252	218854	30.015	nq	96
83) Chrysene	21.71	228	859428	45.883	nq	98
84) Bis(2-ethylhexyl)phthalate	21.54	149	467269	46.607	nq	100
85) Di-n-octyl phthalate	22.74	149	803748	47.253	nq	100
86) Indeno(1,2,3-cd)pyrene	28.51	276	1137283	48.371	nq	99
88) Benzo(b)fluoranthene	23.85	252	936273	47.008	nq	98
89) Benzo(k)fluoranthene	23.91	252	955691	47.663	nq	100
90) Benzo(a)pyrene	24.70	252	878667	46.198	nq	98
91) Dibenzo(a,h)anthracene	28.56	278	962929	49.497	nq	98
92) Benzo(g,h,i)perylene	29.63	276	955926	49.814	nq	98

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



#1

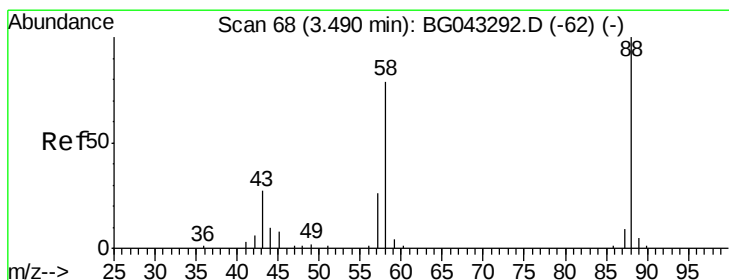
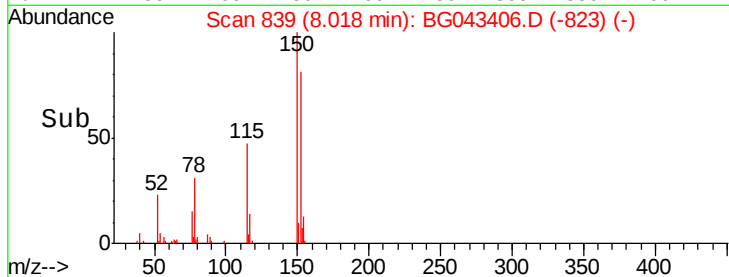
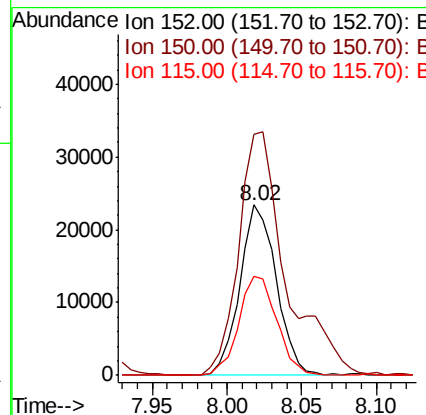
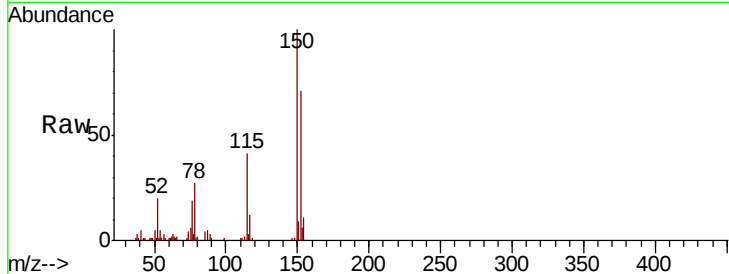
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.6	113.6	170.4
115	58.3	45.9	68.9

Manual Integrations
APPROVED

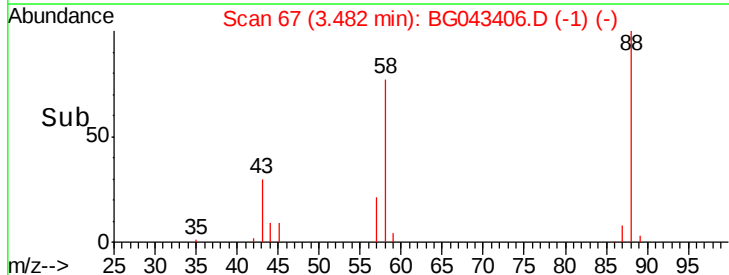
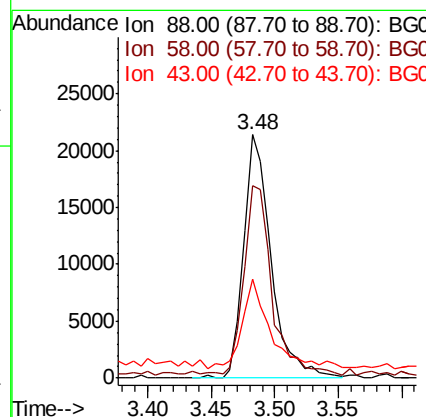
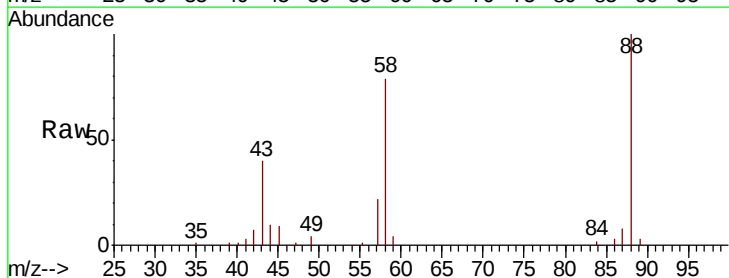
mohammad
10/31/2019 2:51:55 PM



#2

1,4-Dioxane
Concen: 37.865 ng
RT: 3.48 min Scan# 67
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.5	60.2	90.2
43	38.7	22.7	34.1#





#3

Pvridine

Concen: 37.238 ng

RT: 3.88 min Scan# 135

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

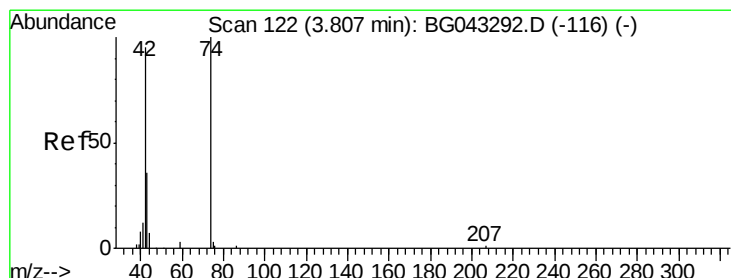
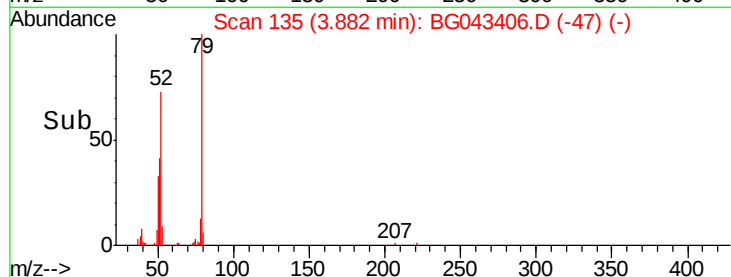
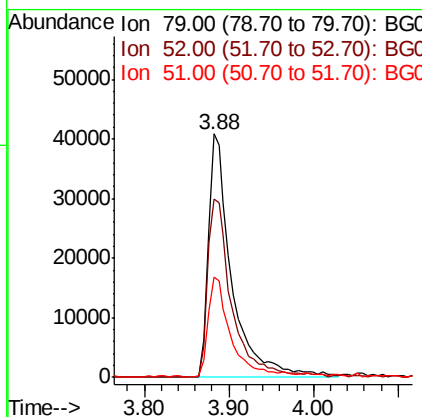
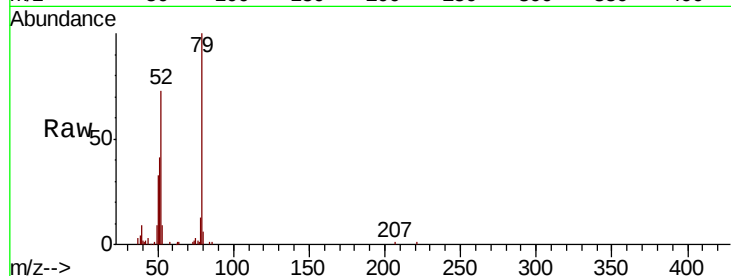
ClientSampleId :

R-1MS

Tot Ion:	79	Resp:	79438
Ion	Ratio	Lower	Upper
79	100		
52	73.3	59.7	89.5
51	41.4	31.8	47.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#4

n-Nitrosodimethylamine

Concen: 46.075 ng

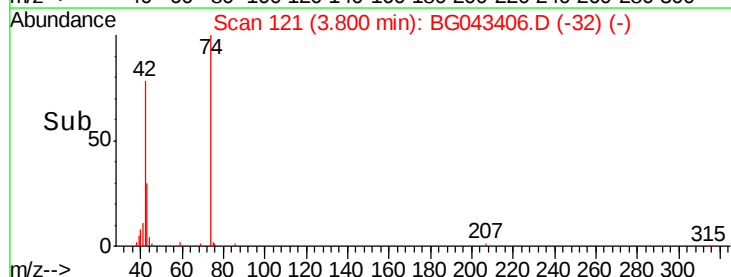
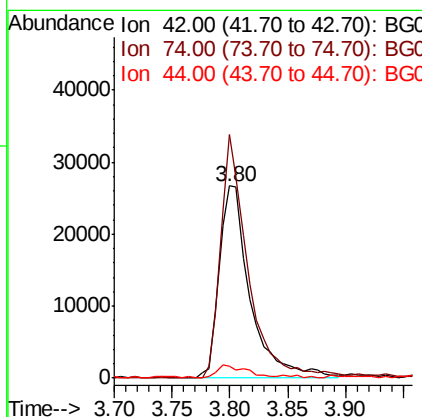
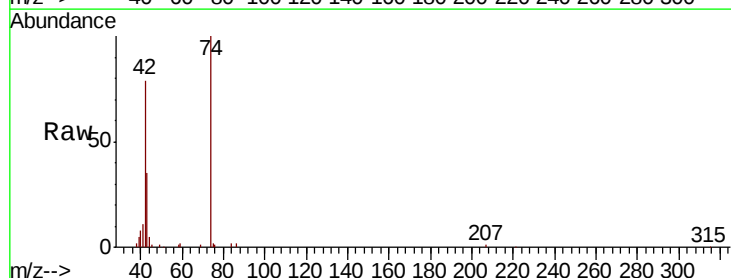
RT: 3.80 min Scan# 121

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	42	Resp:	49598
Ion	Ratio	Lower	Upper
42	100		
74	126.6	84.2	126.2#
44	6.2	6.0	9.0





#5

2-Fluorophenol

Concen: 149.748 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

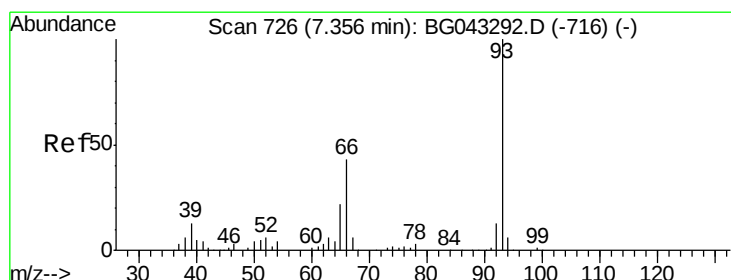
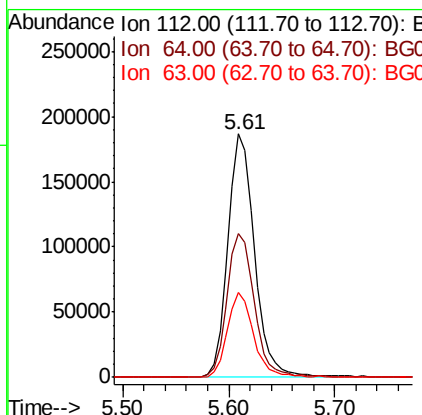
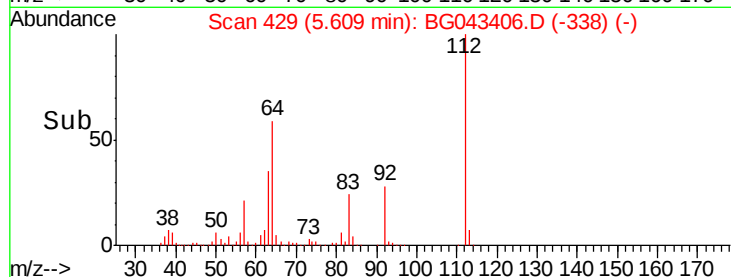
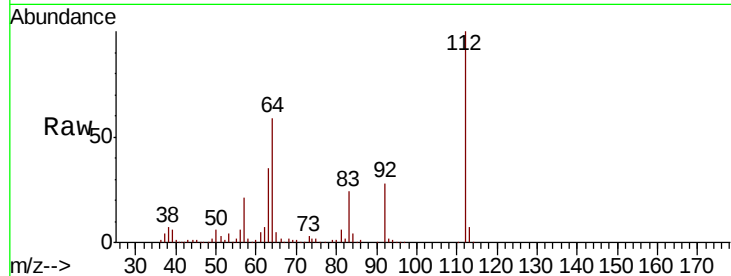
ClientSampled :

R-IMS

Tot Ion:	112	Resp:	324969
Ion Ratio	Lower	Upper	
112	100		
64	58.8	50.2	75.2
63	34.8	26.7	40.1

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#6

Aniline

Concen: 37.668 ng

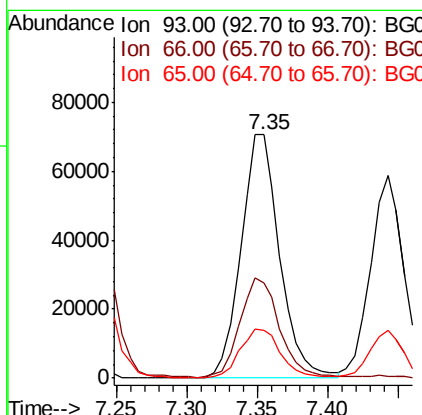
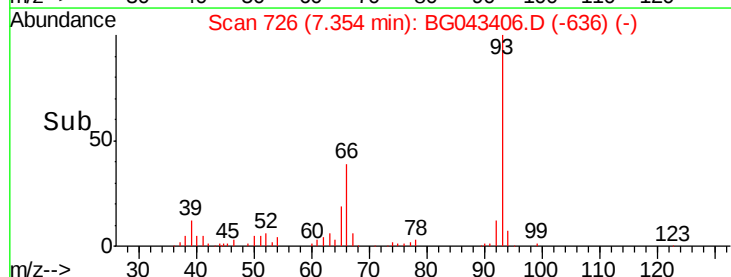
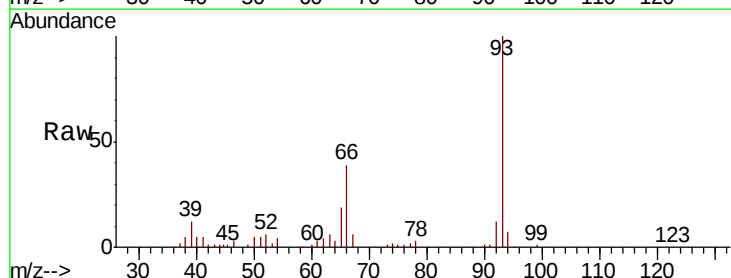
RT: 7.35 min Scan# 726

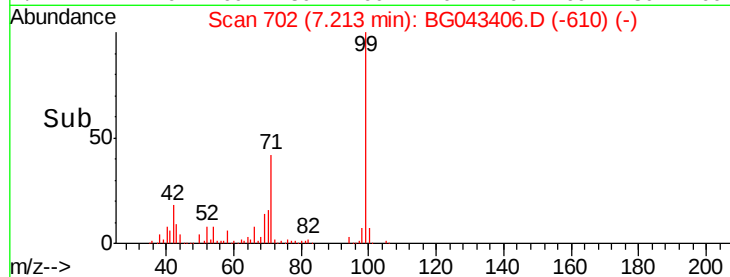
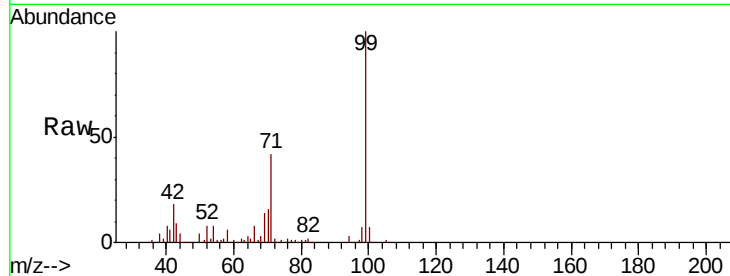
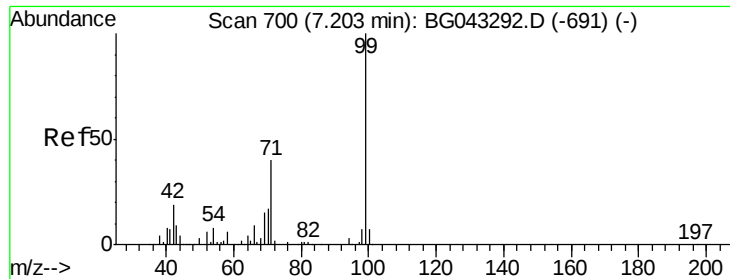
Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	93	Resp:	135480
Ion Ratio	Lower	Upper	
93	100		
66	38.9	34.5	51.7
65	19.5	18.0	27.0





#7

Phenol-d6

Concen: 149.358 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		466335		
42	18.0	14.9	22.3		
71	41.7	32.2	48.2		

Instrument :

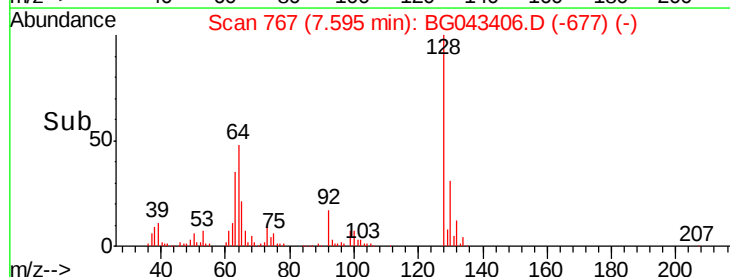
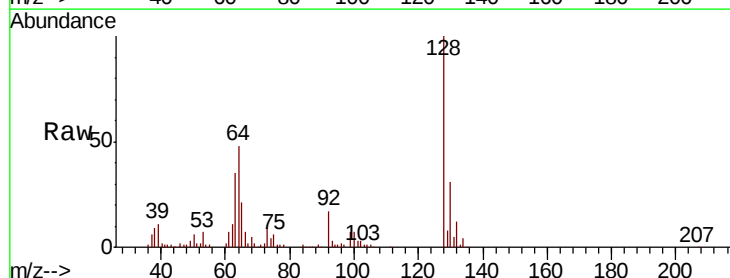
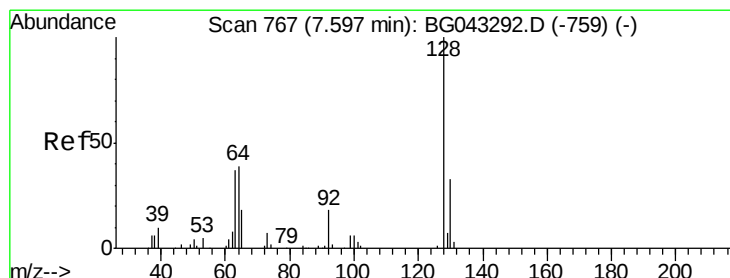
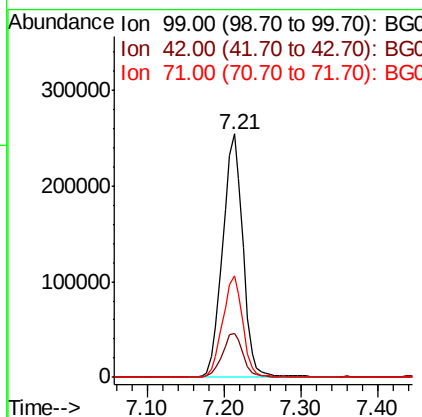
BNA_G

ClientSampleId :

R-1MS

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#8

2-Chlorophenol

Concen: 49.282 ng

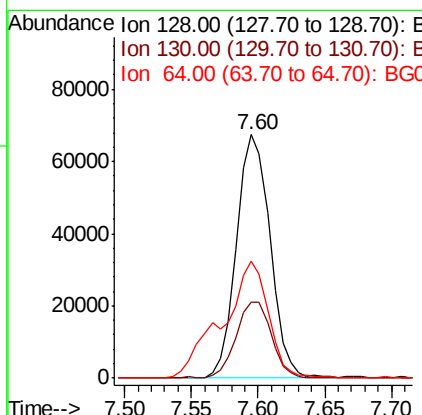
RT: 7.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		118058		
130	31.4	12.9	52.9		
64	48.2	24.9	64.9		





#9

Benzaldehyde

Concen: 40.753 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

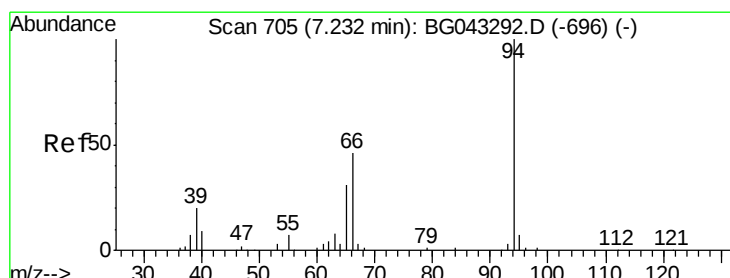
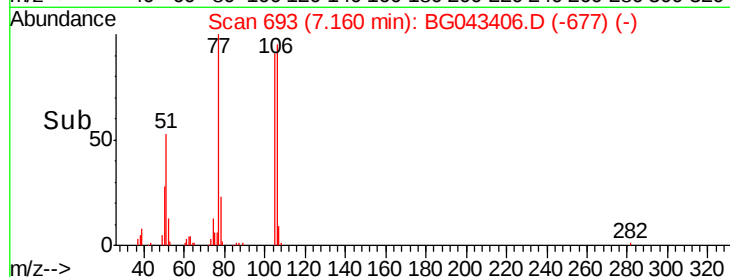
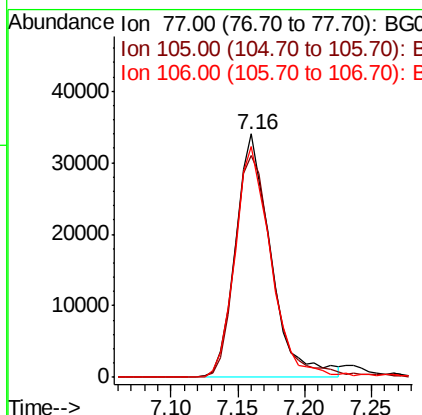
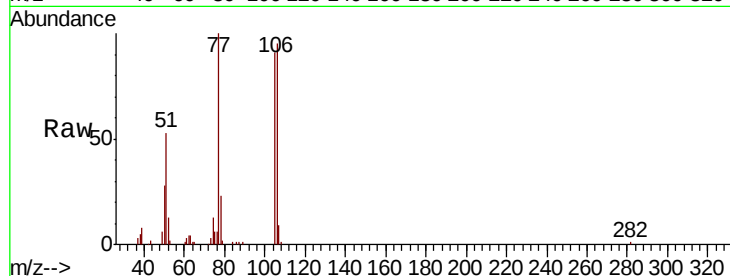
ClientSampleId :

R-1MS

Tot Ion:	77	Resp:	62532
Ion	Ratio	Lower	Upper
77	100		
105	90.9	68.7	108.7
106	95.0	60.5	100.5

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#10

Phenol

Concen: 54.056 ng

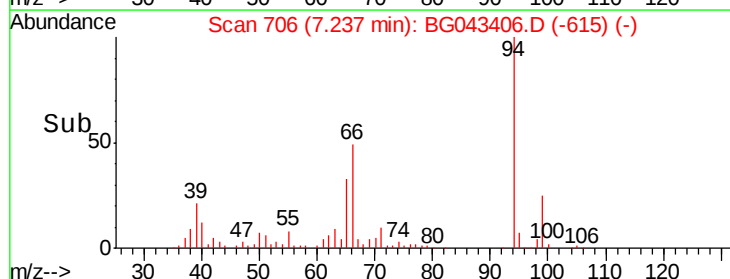
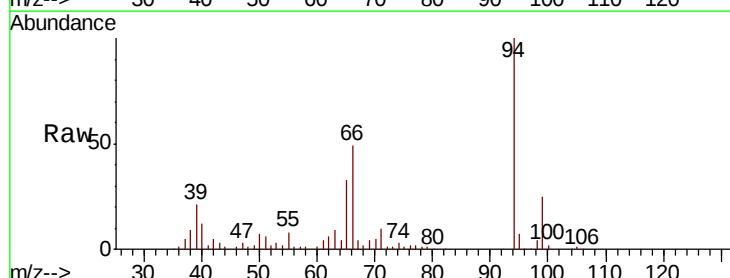
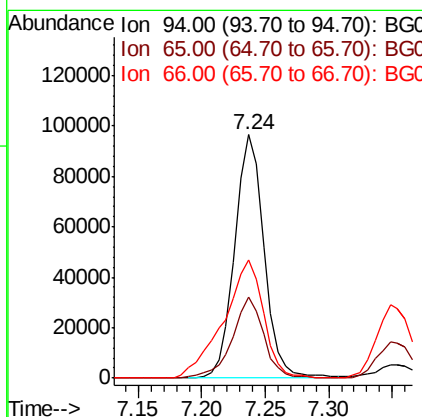
RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	94	Resp:	154229
Ion	Ratio	Lower	Upper
94	100		
65	33.0	11.1	51.1
66	48.7	27.8	67.8





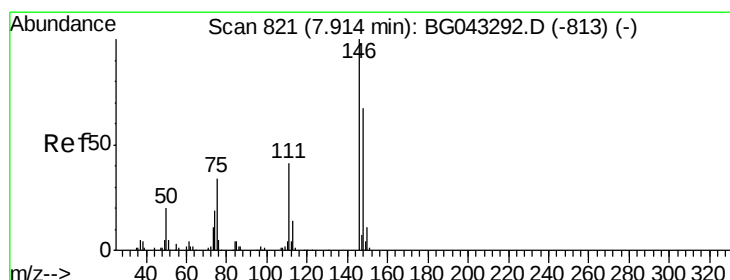
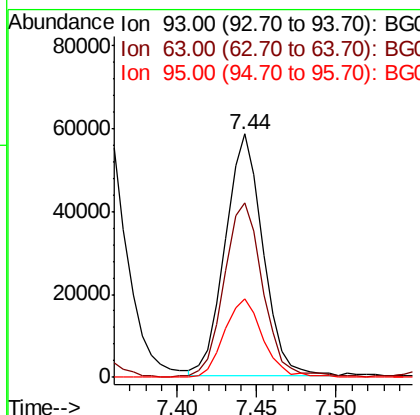
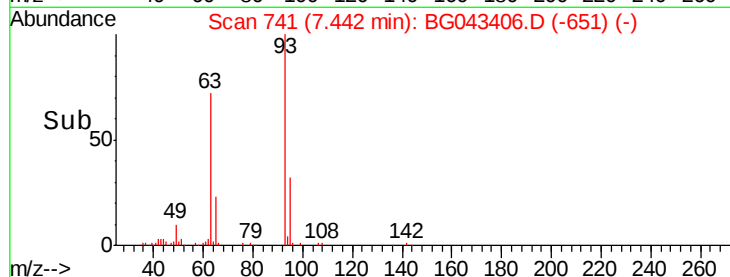
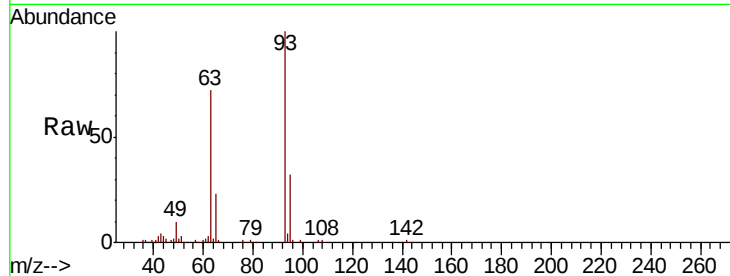
#11
bis(2-Chloroethyl)ether
Concen: 43.500 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Resp Lower	Upper
93	100		
63	71.9	54.6	94.6
95	32.1	9.7	49.7

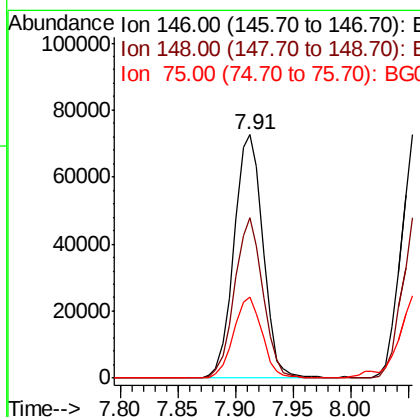
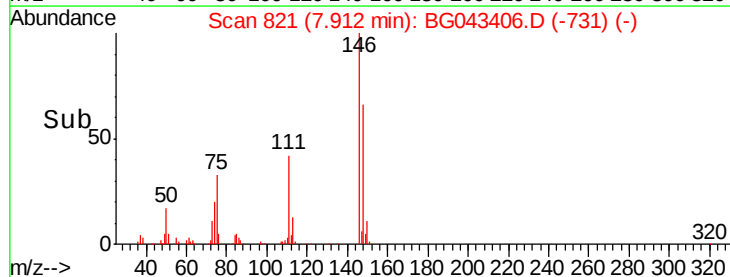
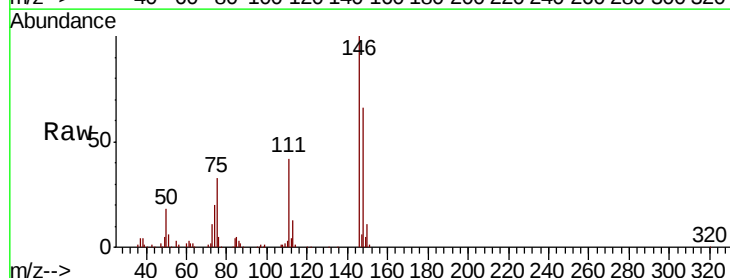
Manual Integrations
APPROVED

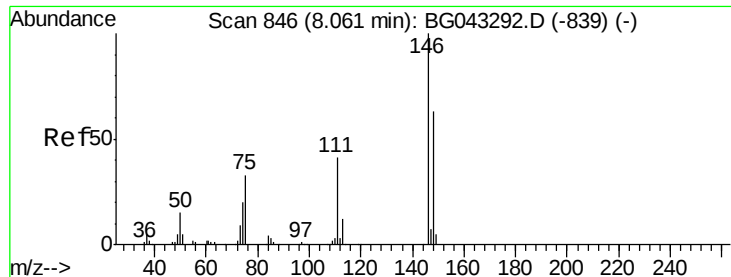
mohammad
10/31/2019 2:51:55 PM



#12
1,3-Dichlorobenzene
Concen: 41.994 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	65.9	53.4	80.2
75	33.1	27.0	40.4





#13

1,4-Dichlorobenzene

Concen: 42.381 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

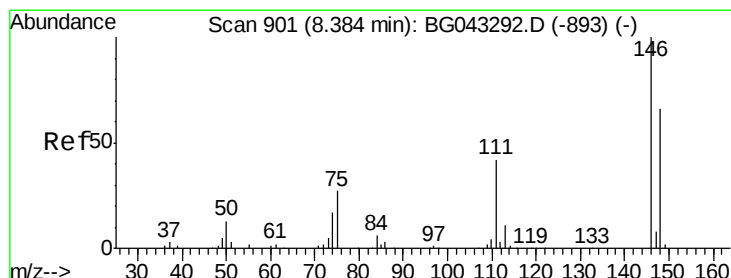
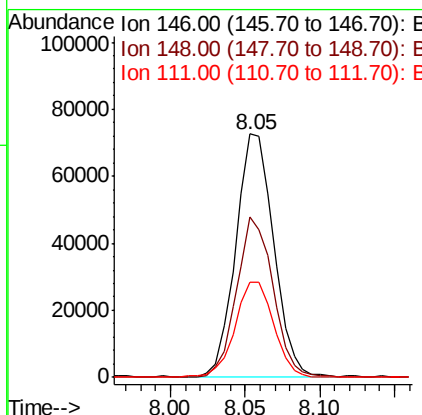
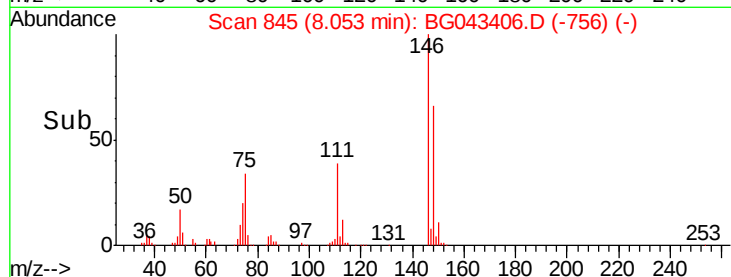
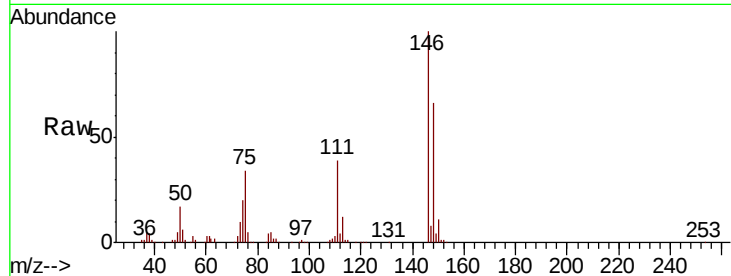
ClientSampleId :

R-1MS

Tot Ion:	146	Resp:	128699
Ion Ratio	Lower	Upper	
146	100		
148	65.7	50.7	76.1
111	39.0	33.0	49.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#14

1,2-Dichlorobenzene

Concen: 42.153 ng

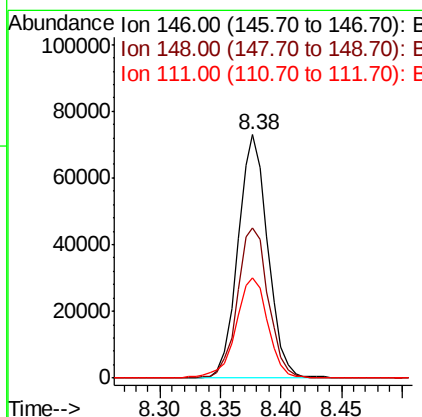
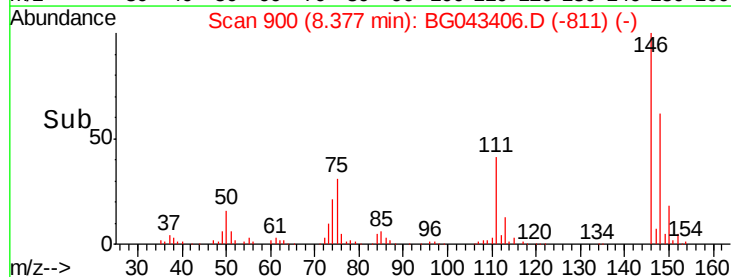
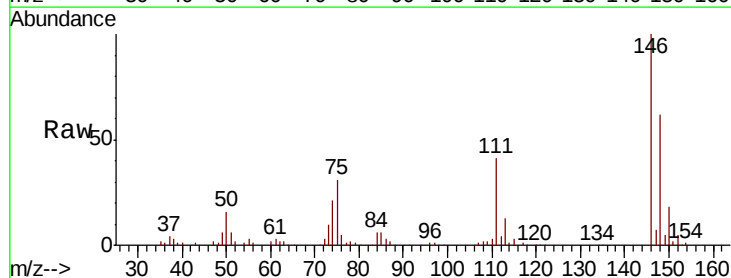
RT: 8.38 min Scan# 900

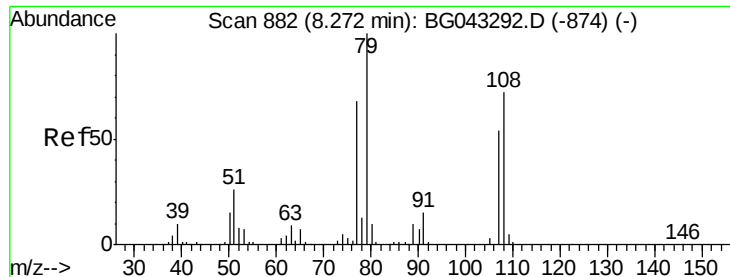
Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	146	Resp:	124985
Ion Ratio	Lower	Upper	
146	100		
148	61.6	53.0	79.4
111	41.1	34.5	51.7





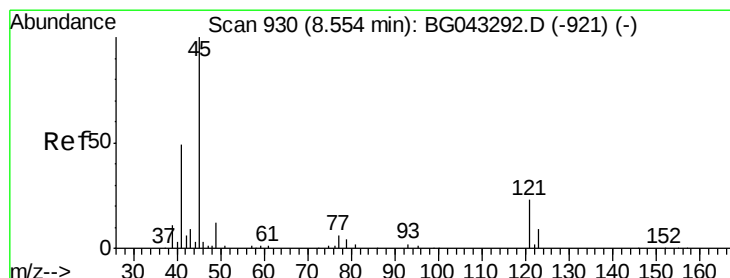
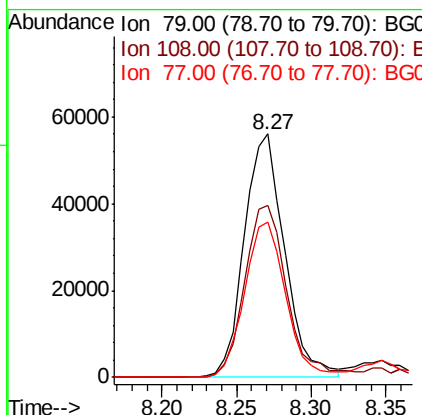
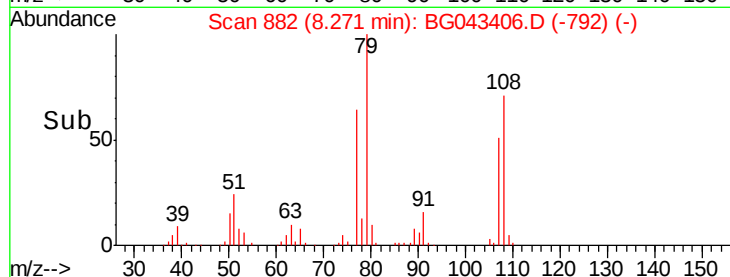
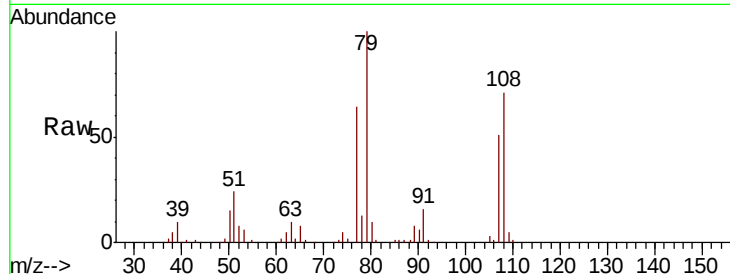
#15
Benzyl Alcohol
Concen: 47.804 ng
RT: 8.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampled :
R-IMS

Tot Ion	Ratio	Lower	Upper
79	100		
108	70.6	57.3	85.9
77	63.8	54.6	81.8

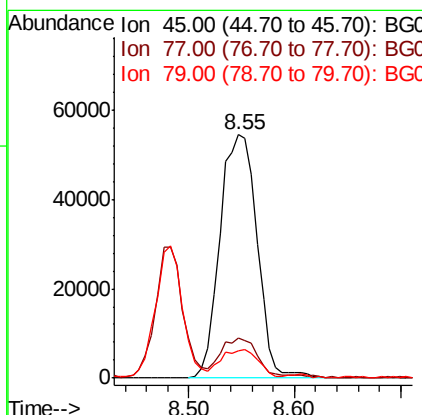
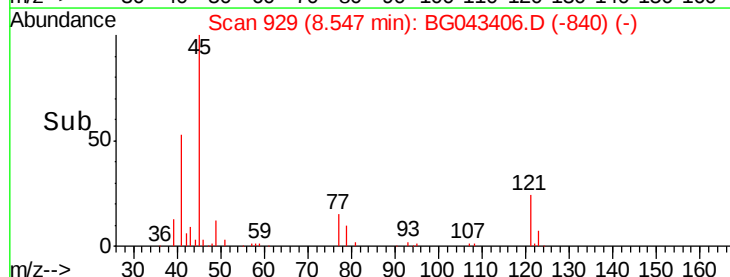
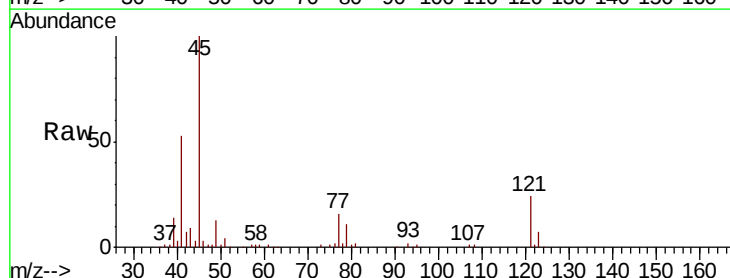
Manual Integrations
APPROVED

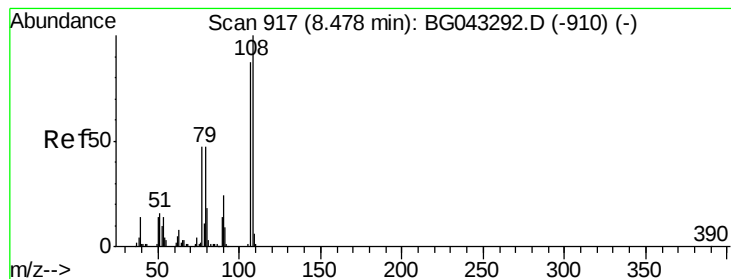
mohammad
10/31/2019 2:51:55 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.366 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	34.2
79	11.2	0.0	32.3





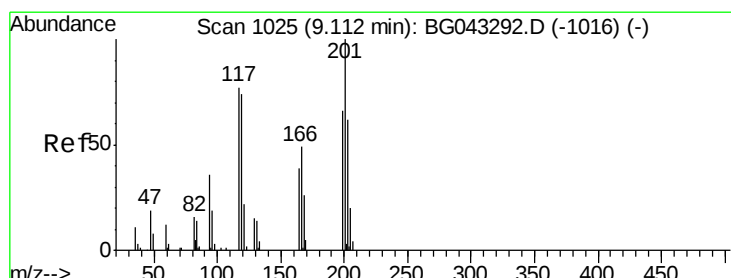
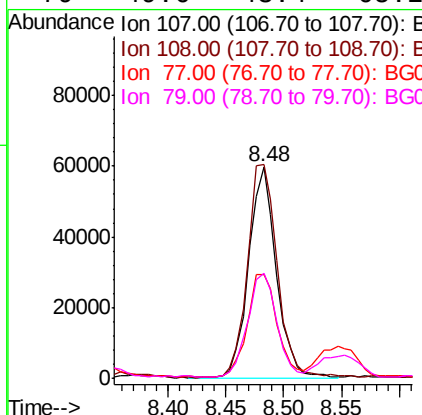
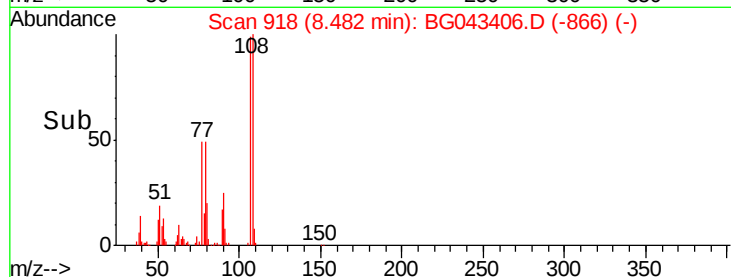
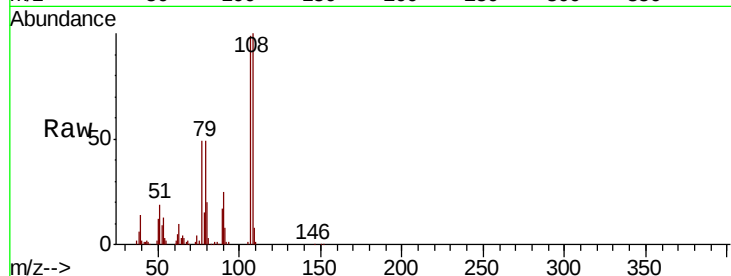
#17
2-Methylphenol
Concen: 48.477 ng
RT: 8.48 min Scan# 918
Delta R.T. 0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	101.0	91.3	136.9	
77	49.2	43.0	64.6	
79	49.6	43.4	65.2	

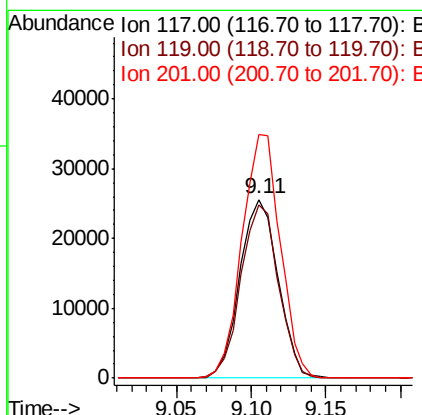
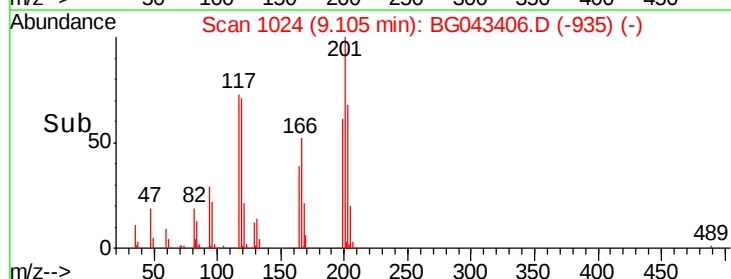
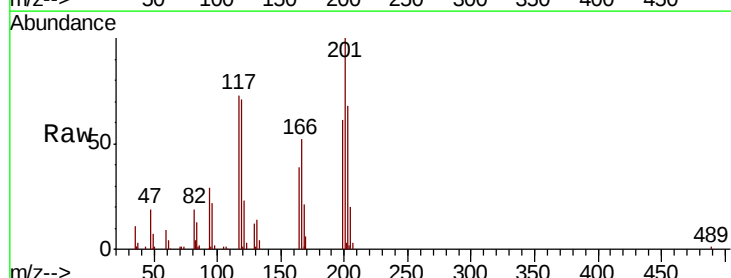
Manual Integrations
APPROVED

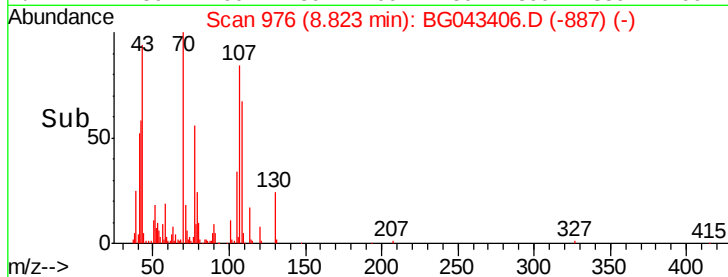
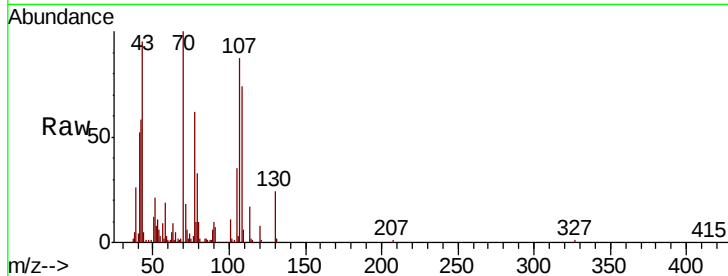
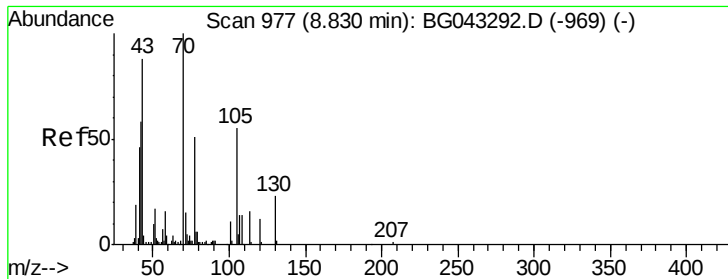
mohammad
10/31/2019 2:51:55 PM



#18
Hexachloroethane
Concen: 41.366 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.1	77.3	115.9	
201	136.3	104.2	156.4	





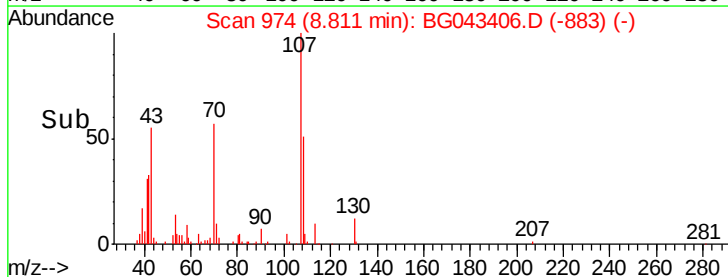
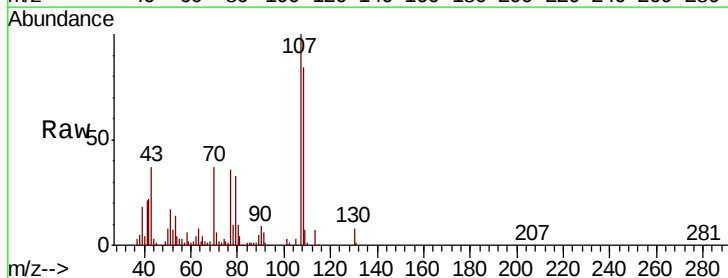
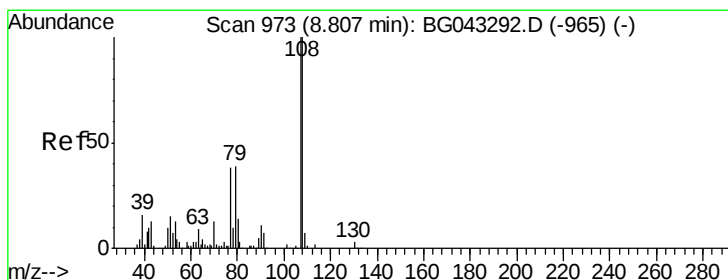
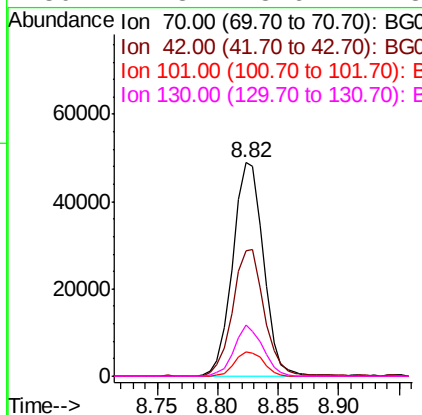
#19
n-Nitroso-di-n-propylamine
Concen: 43.239 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		87236		
42	58.5	46.2	69.2		
101	11.4	8.6	13.0		
130	24.3	18.6	27.8		

Instrument :
BNA_G
ClientSampleId :
R-1MS

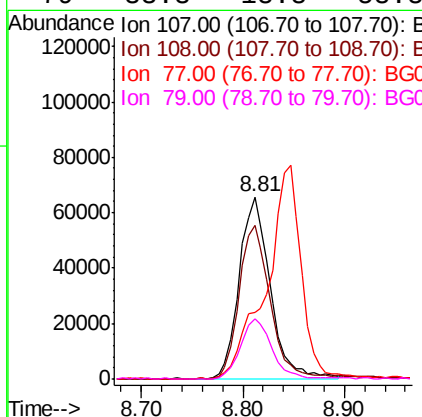
Manual Integrations
APPROVED

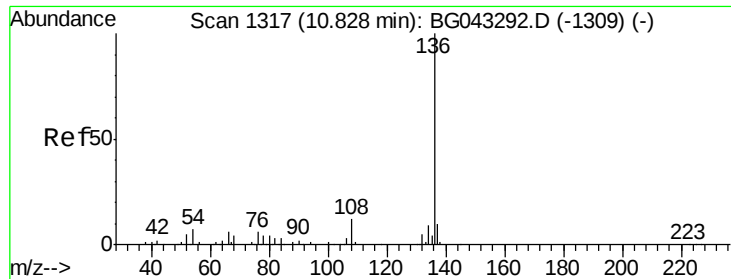
mohammad
10/31/2019 2:51:55 PM



#20
3+4-Methylphenols
Concen: 48.884 ng
RT: 8.81 min Scan# 974
Delta R.T. 0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		139422		
108	84.3	80.3	120.3		
77	36.4	18.2	58.2		
79	33.3	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: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

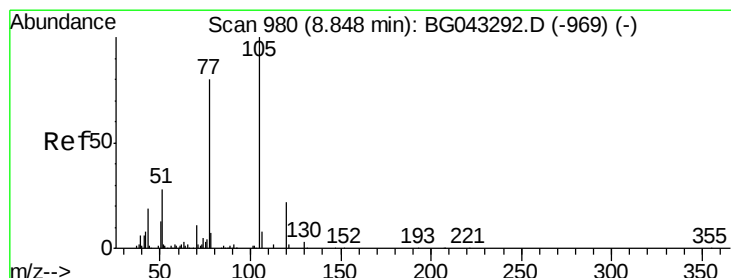
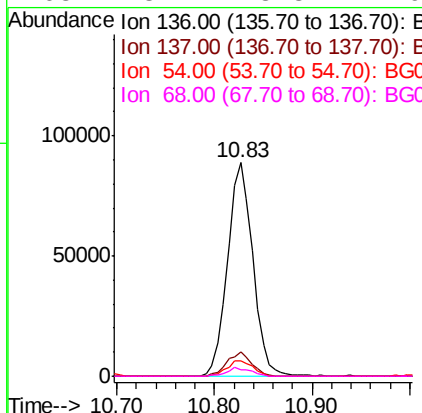
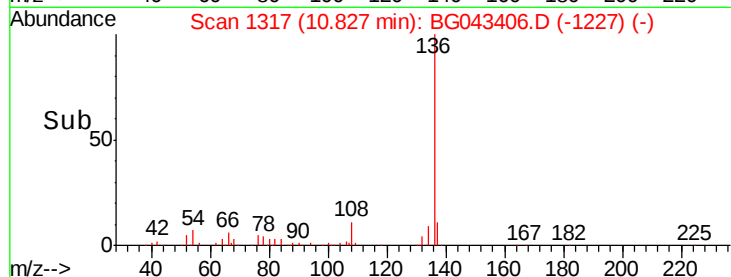
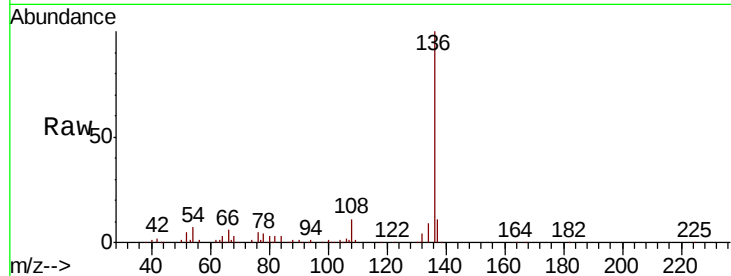
ClientSampleId :

R-1MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	159961		
137	11.3	8.2	12.2	
54	7.2	5.4	8.2	
68	3.2	3.3	4.9	

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#22

Acetophenone

Concen: 41.589 ng

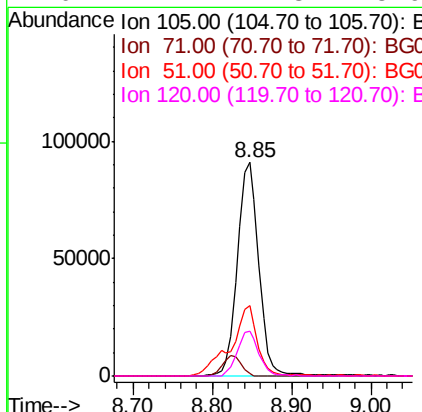
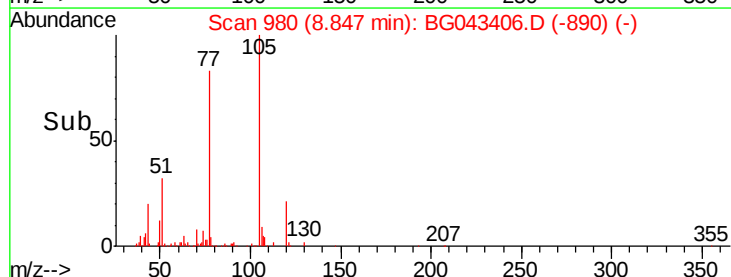
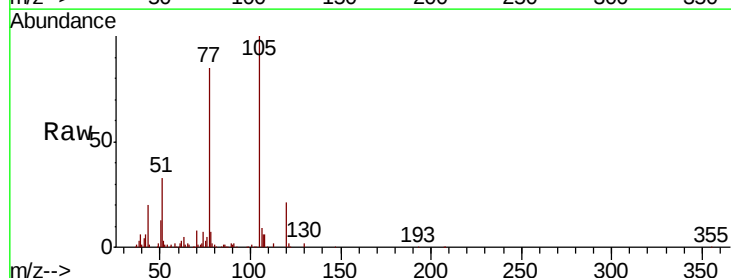
RT: 8.85 min Scan# 980

Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170365		
71	1.4	1.5	2.3	
51	33.2	23.9	35.9	
120	21.2	17.3	25.9	





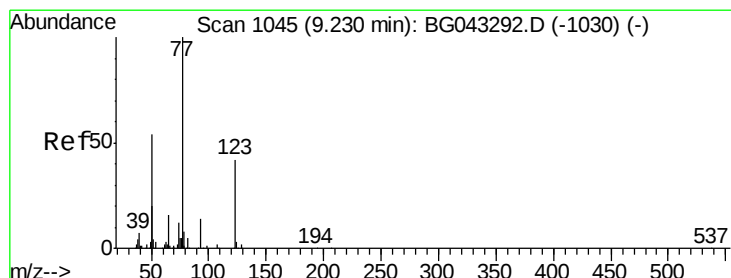
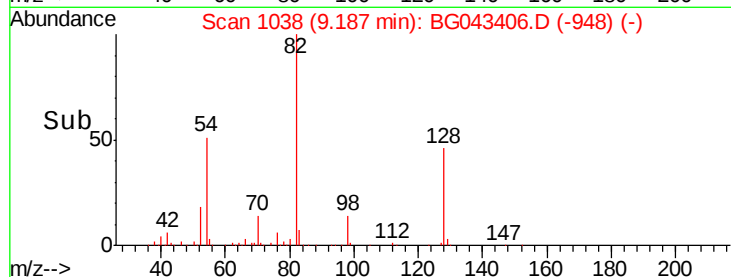
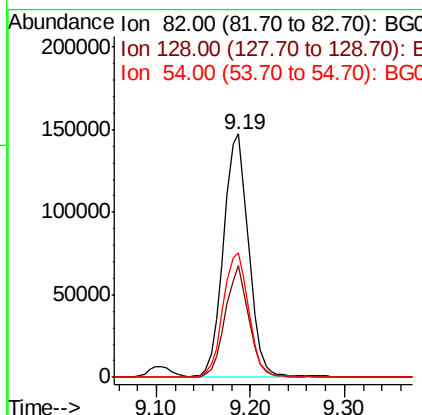
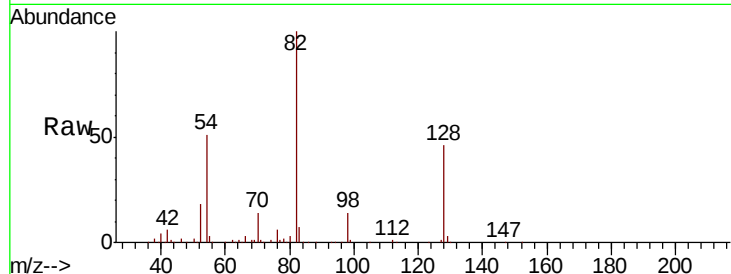
#23
 Nitrobenzene-d5
 Concen: 88.449 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampled :
 R-1MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.3	52.9
54	51.2	42.3	63.5

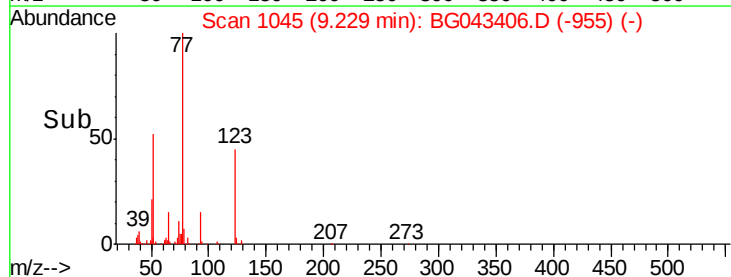
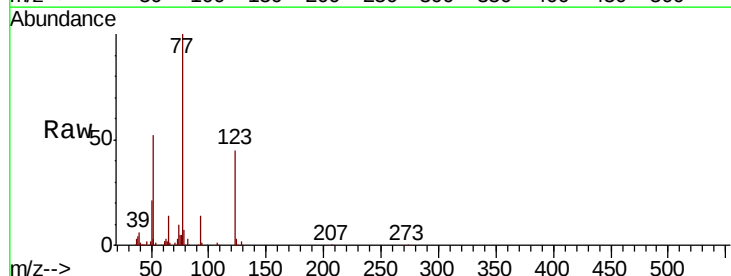
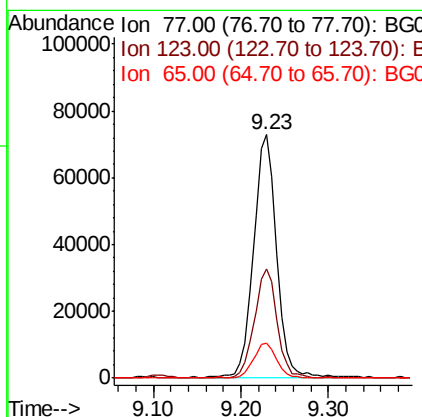
Manual Integrations
 APPROVED

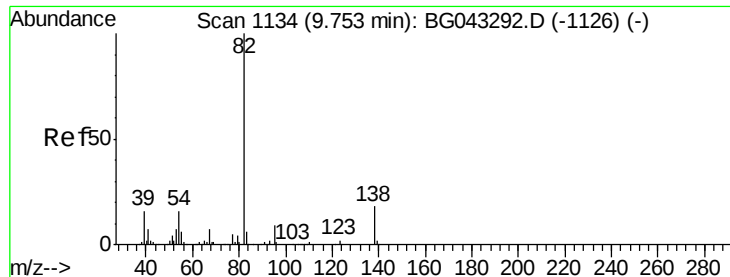
mohammad
 10/31/2019 2:51:55 PM



#24
 Nitrobenzene
 Concen: 44.394 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.0	33.8	50.8
65	14.5	13.0	19.4





#25

Isophorone

Concen: 43.851 ng

RT: 9.75 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

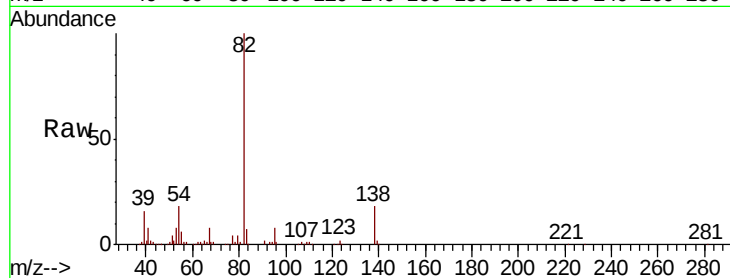
ClientSampleId :

R-1MS

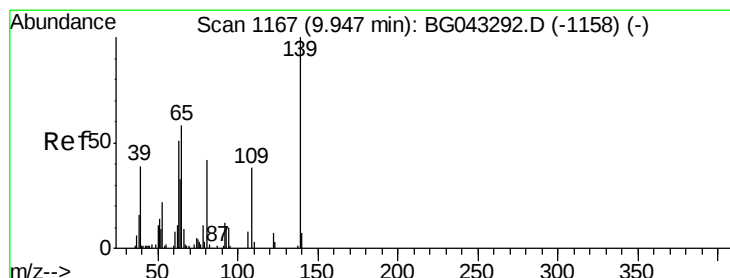
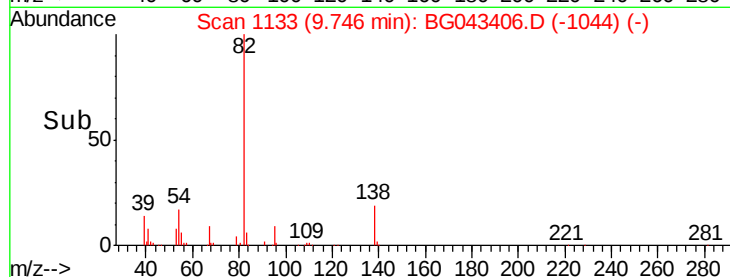
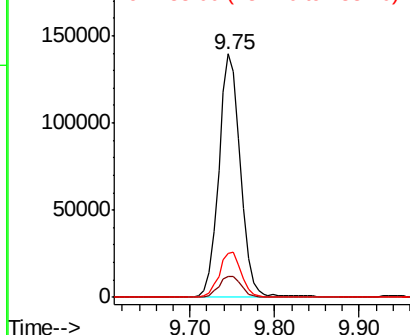
Tot Ion:	82	Resp:	248754
Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.9	10.3
138	18.1	14.2	21.2

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 47.645 ng

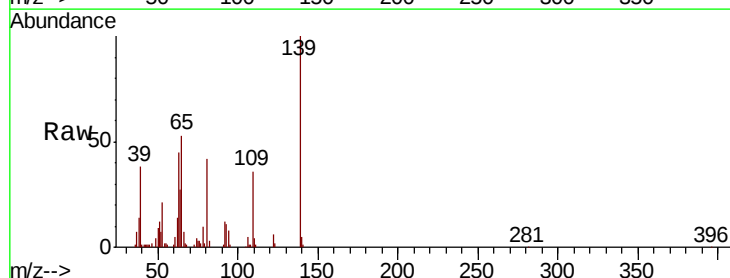
RT: 9.94 min Scan# 1166

Delta R.T. -0.01 min

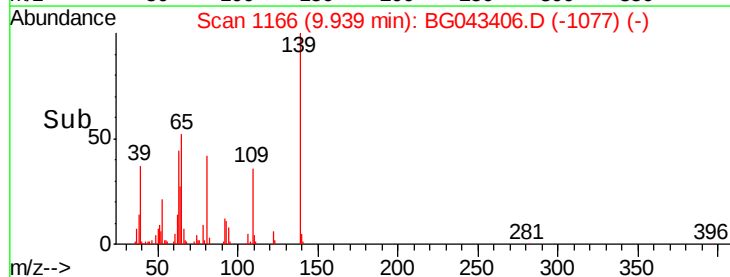
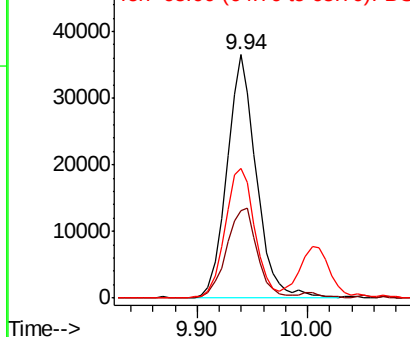
Lab File: BG043406.D

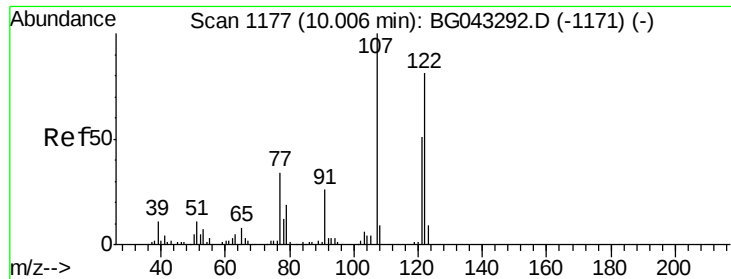
Acq: 30 Oct 2019 18:37

Tgt Ion:	139	Resp:	67988
Ion	Ratio	Lower	Upper
139	100		
109	36.0	30.1	45.1
65	53.2	46.1	69.1



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





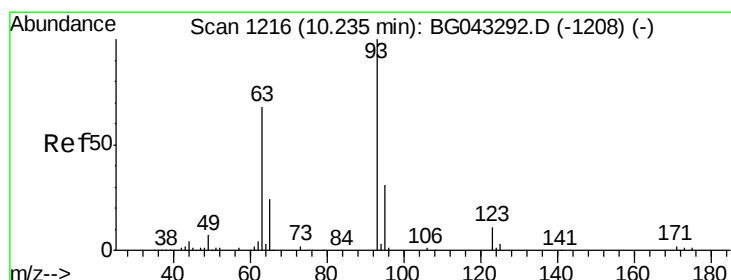
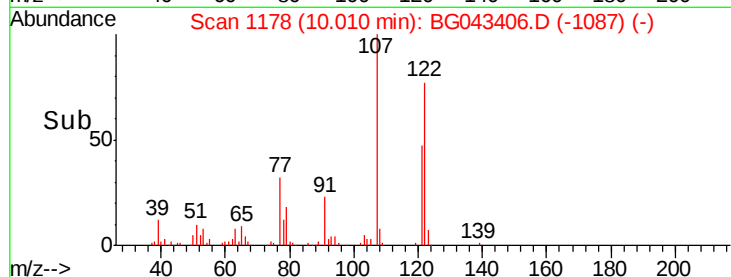
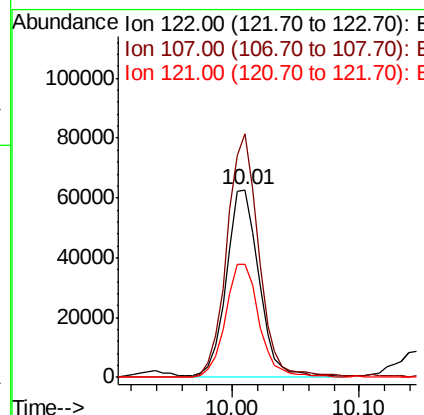
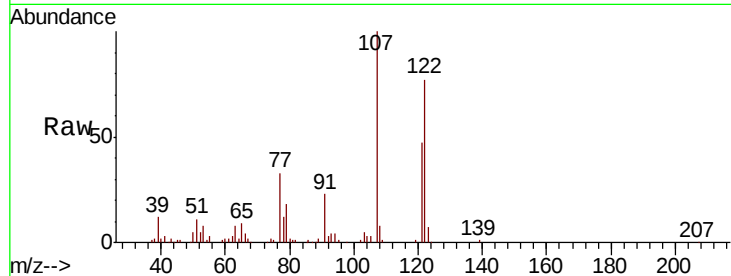
#27
2,4-Dimethylphenol
Concen: 53.787 ng
RT: 10.01 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampled :
R-IMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	129.6	98.6	147.8
121	60.5	50.1	75.1

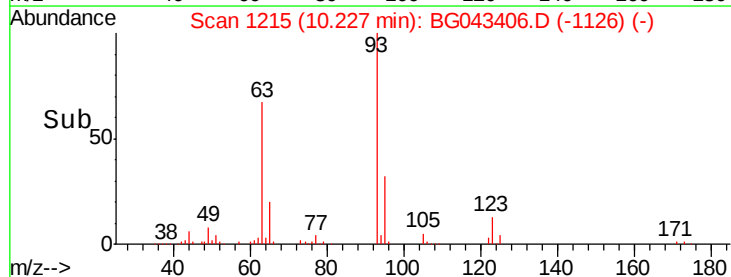
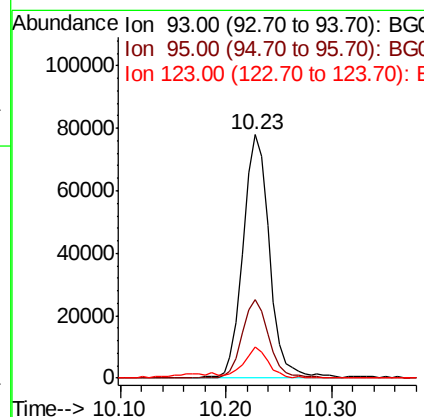
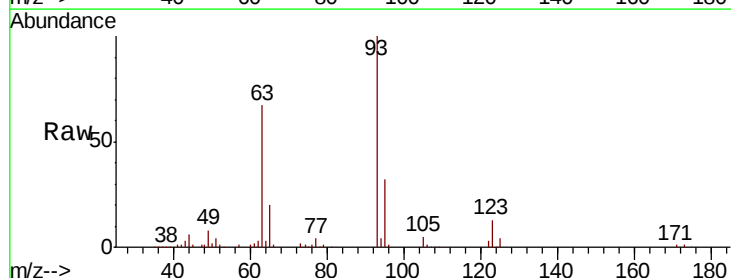
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#28
bis(2-Chloroethoxy)methane
Concen: 42.955 ng
RT: 10.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	24.9	37.3
123	12.8	8.9	13.3





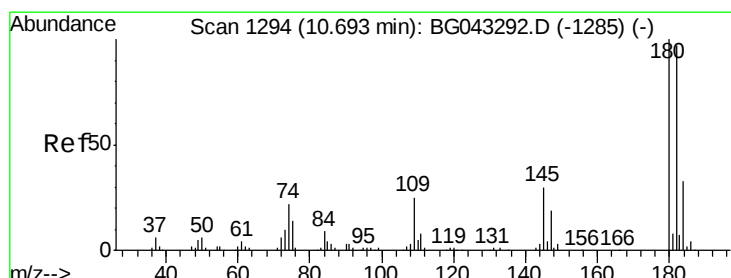
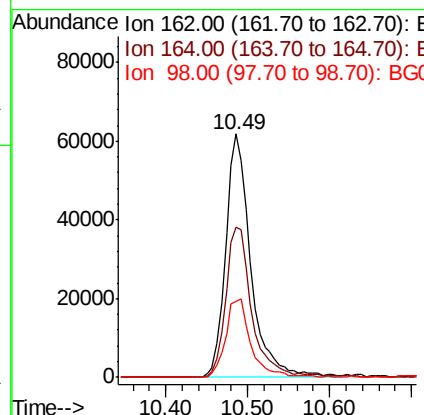
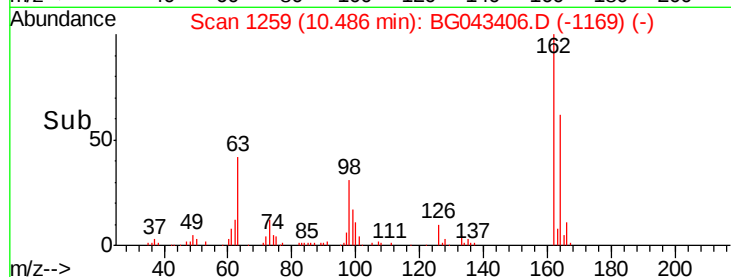
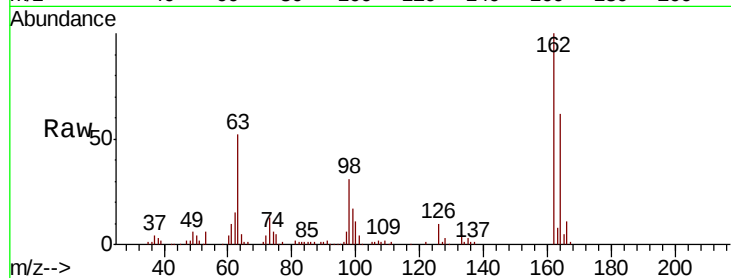
#29
2,4-Dichlorophenol
Concen: 50.537 ng
RT: 10.49 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.8	37.3	77.3
98	31.4	11.8	51.8

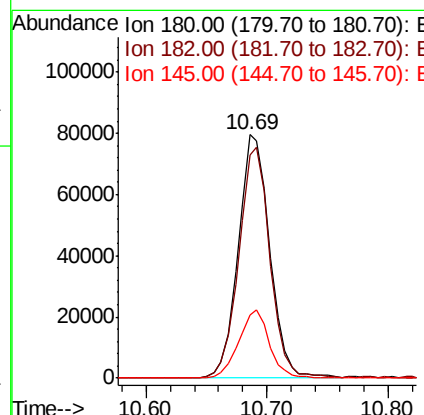
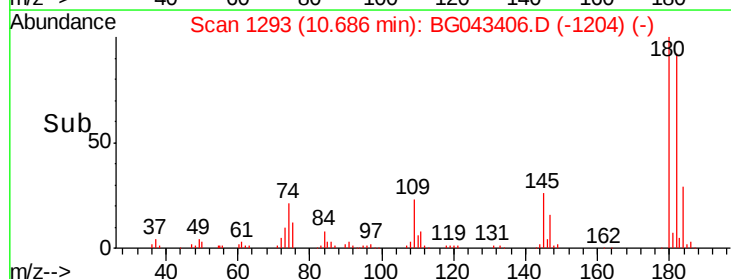
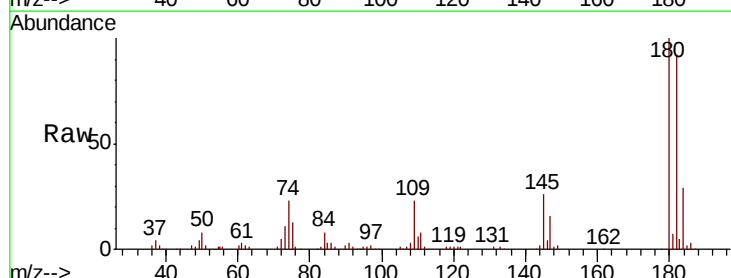
Manual Integrations
APPROVED

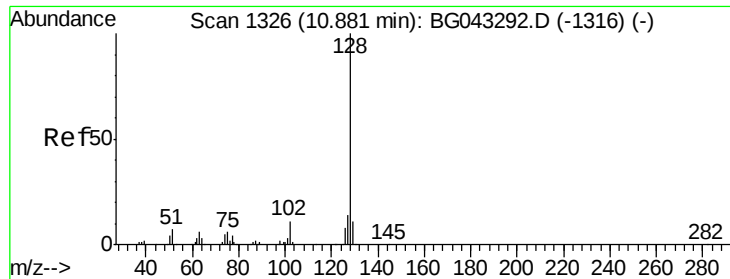
mohammad
10/31/2019 2:51:55 PM



#30
1,2,4-Trichlorobenzene
Concen: 43.784 ng
RT: 10.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	77.8	116.8
145	25.8	23.6	35.4





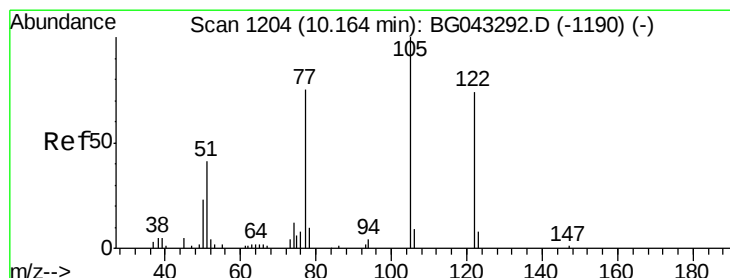
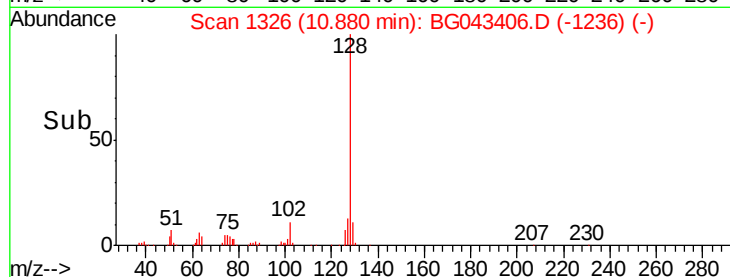
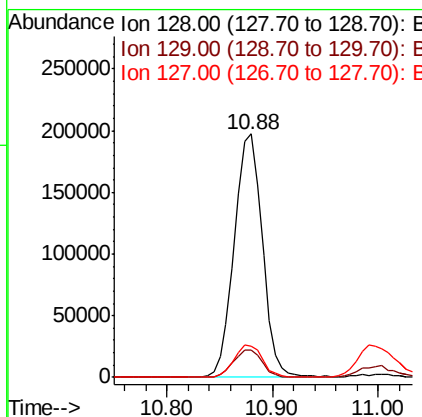
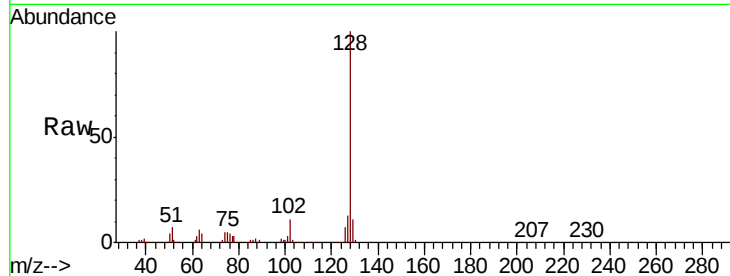
#31
Naphthalene
Concen: 44.863 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	12.7	11.5	17.3

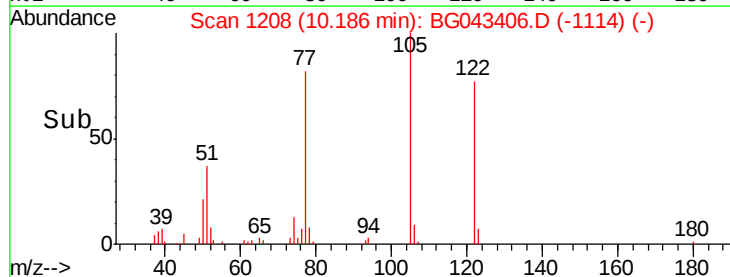
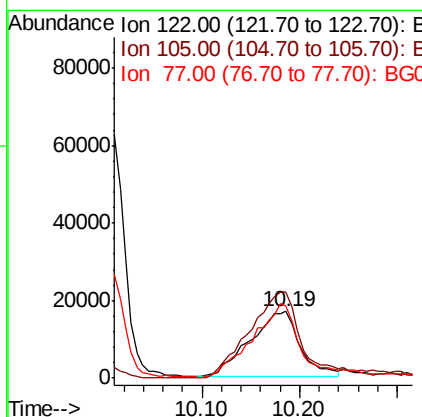
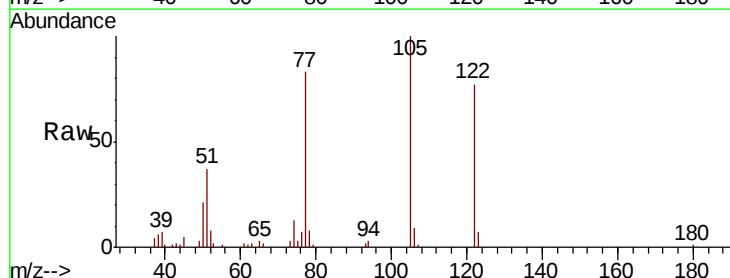
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#32
Benzoic acid
Concen: 40.420 ng
RT: 10.19 min Scan# 1208
Delta R.T. 0.02 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.4	112.4	152.4
77	107.8	82.7	122.7





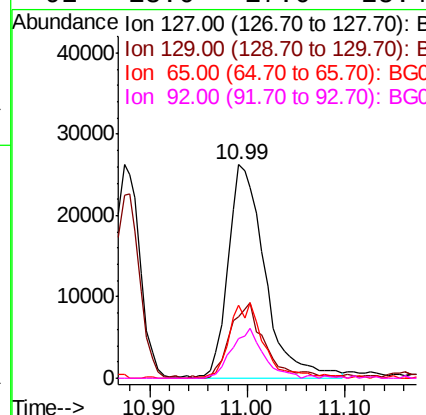
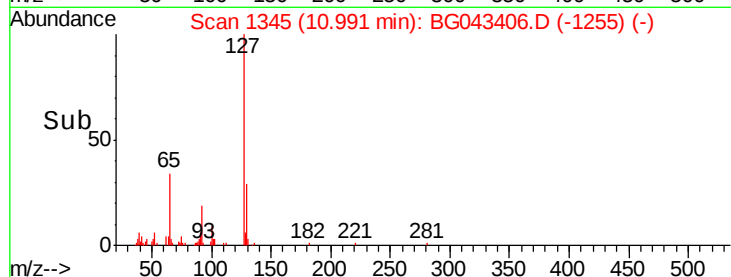
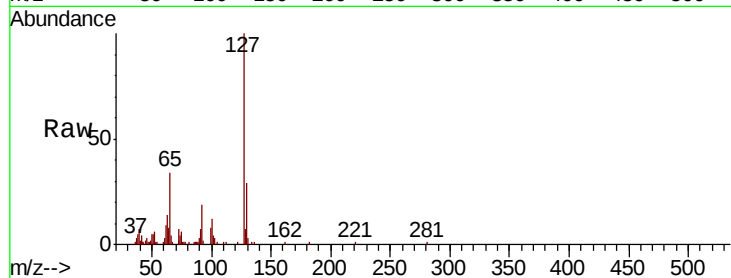
#33
4-Chloroaniline
Concen: 20.641 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		68700		
129	28.8	25.8	38.8		
65	34.1	26.2	39.2		
92	18.6	17.0	25.4		

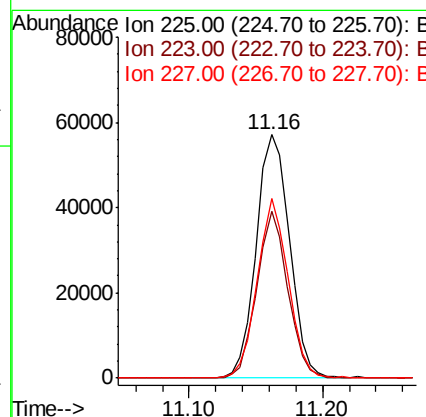
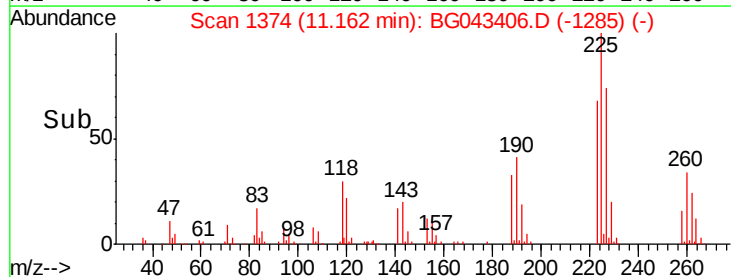
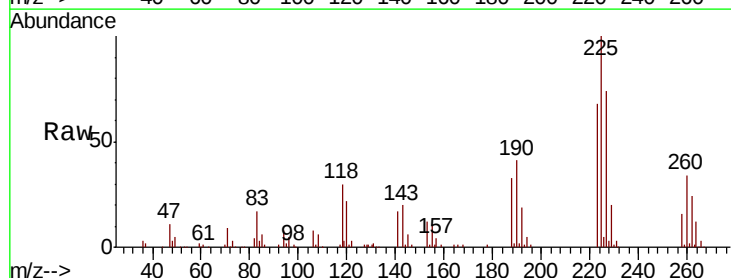
Manual Integrations
APPROVED

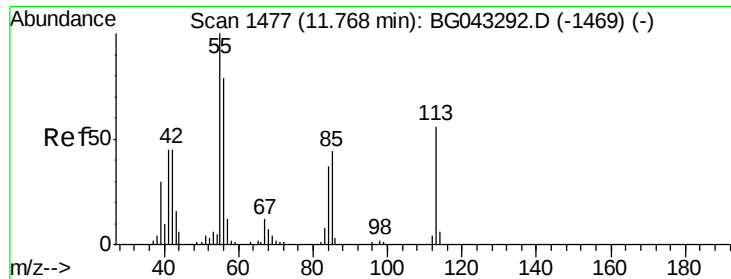
mohammad
10/31/2019 2:51:55 PM



#34
Hexachlorobutadiene
Concen: 40.371 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		98566		
223	68.3	53.2	79.8		
227	73.5	56.2	84.2		





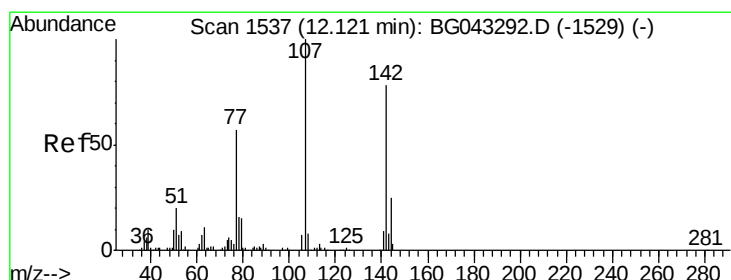
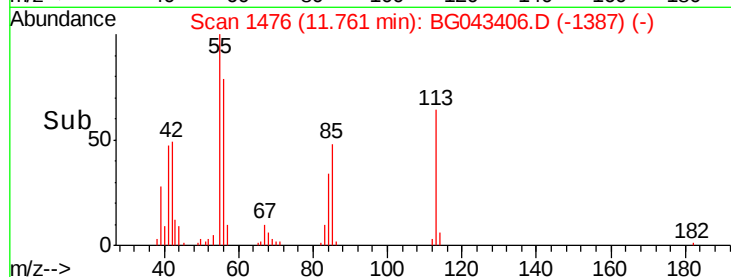
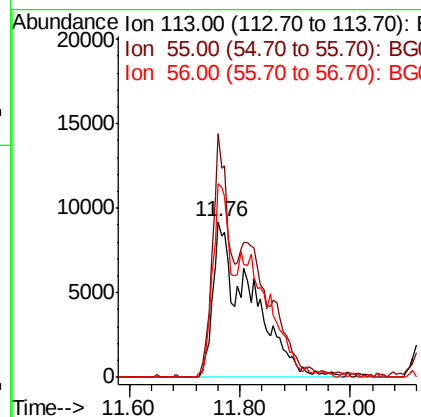
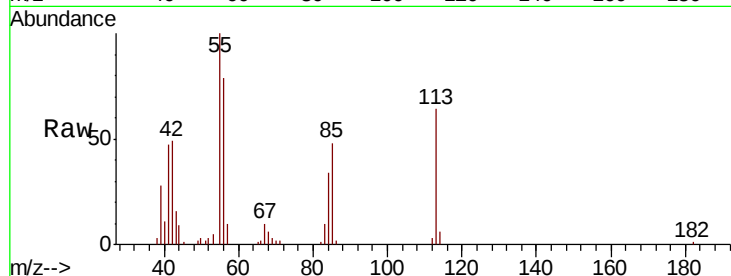
#35
Caprolactam
Concen: 48.220 ng/ml
RT: 11.76 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampled :
R-1MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	156.2	158.9	198.9#
56	124.1	121.4	161.4

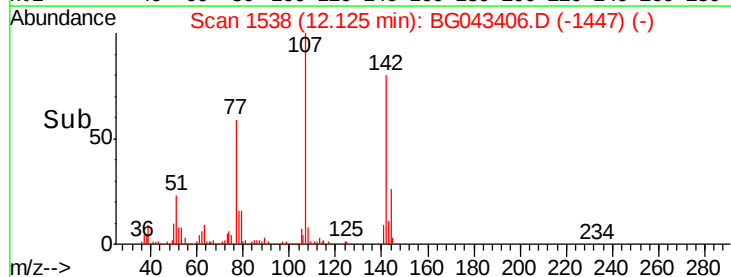
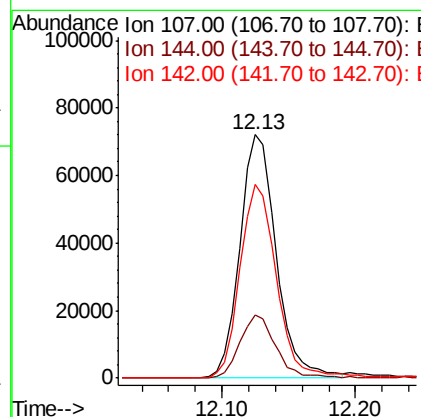
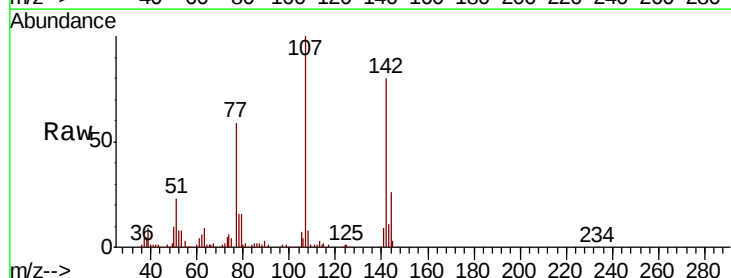
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#36
4-Chloro-3-methylphenol
Concen: 47.433 ng/ml
RT: 12.13 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	19.9	29.9
142	79.7	62.1	93.1





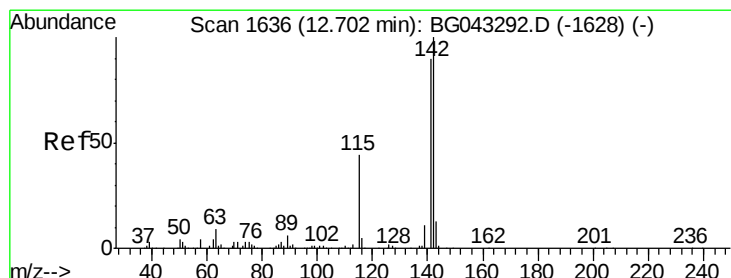
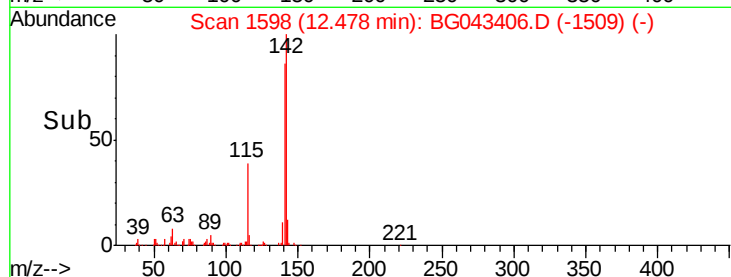
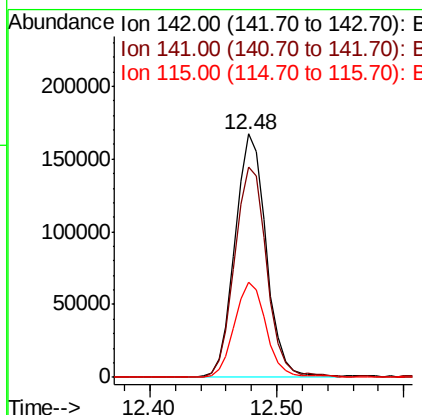
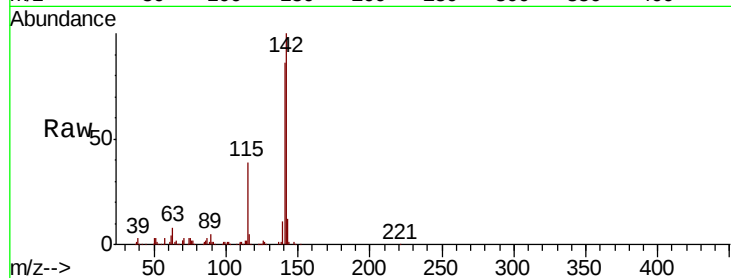
#37
2-Methylnaphthalene
Concen: 45.767 ng
RT: 12.48 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	69.7	104.5
115	39.3	30.6	46.0

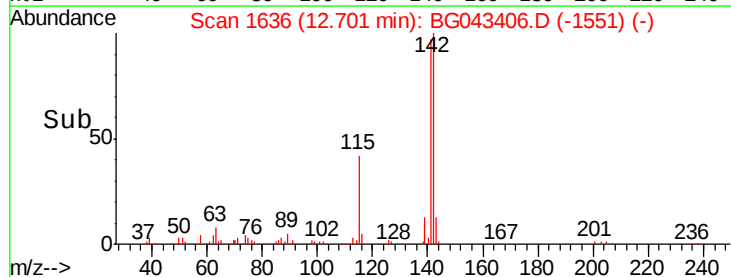
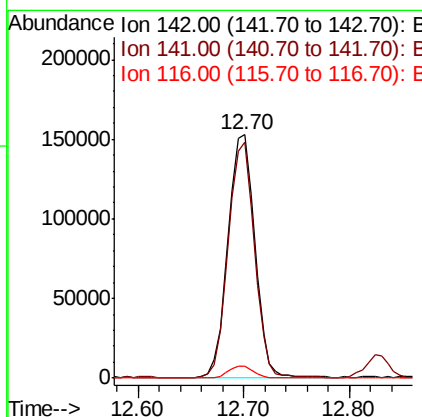
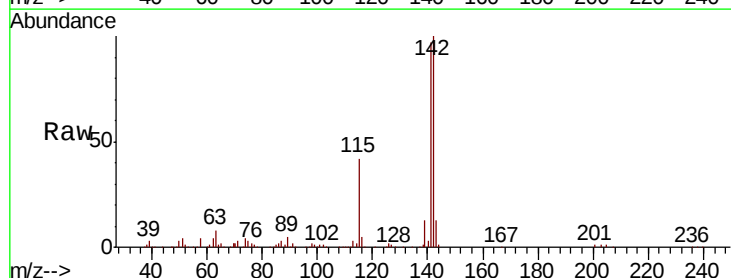
Manual Integrations
APPROVED

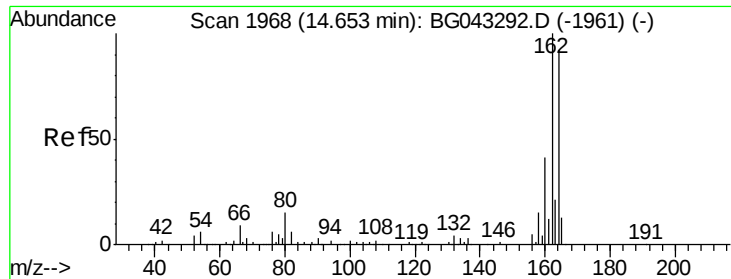
mohammad
10/31/2019 2:51:55 PM



#38
1-Methylnaphthalene
Concen: 45.382 ng
RT: 12.70 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.0	72.3	108.5
116	4.7	3.8	5.6





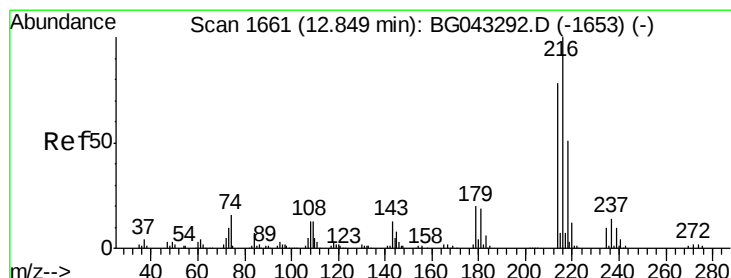
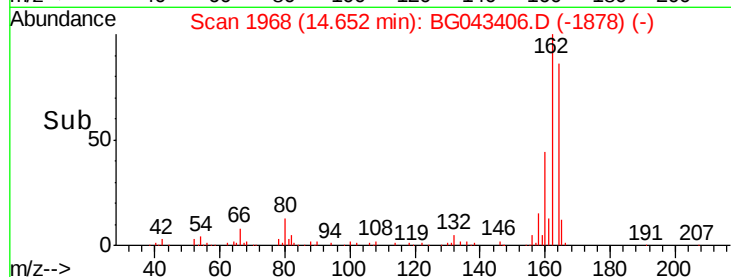
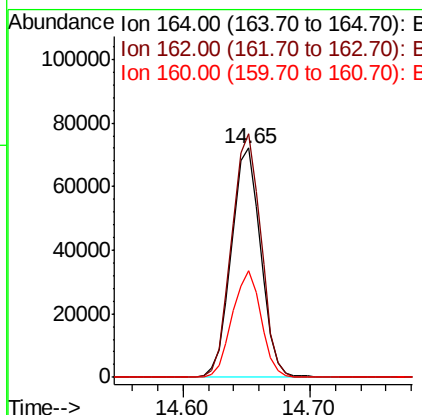
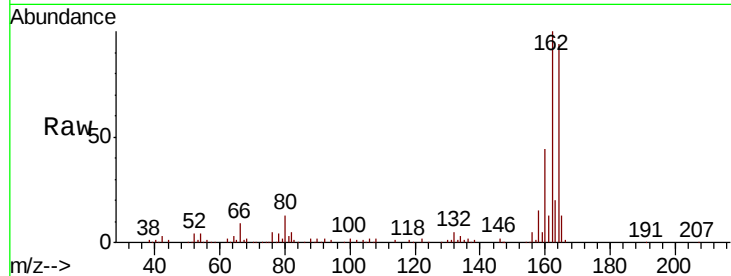
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.4	87.0	130.4
160	46.5	35.5	53.3

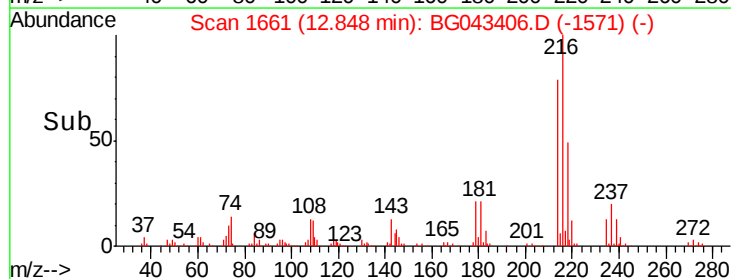
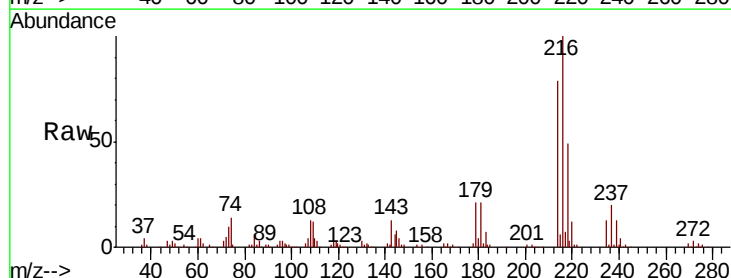
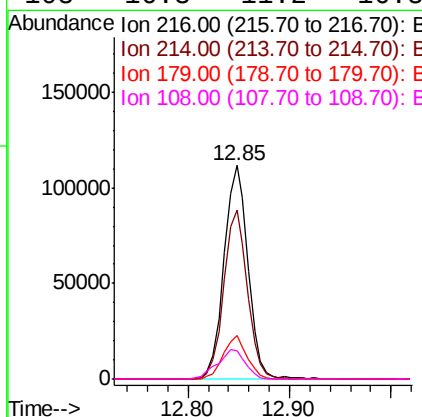
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.788 ng
RT: 12.85 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	20.0	16.2	24.2
108	16.3	11.2	16.8





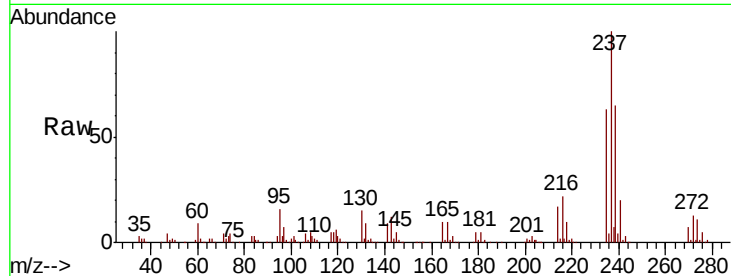
#41
Hexachlorocyclopentadiene
Concen: 103.577 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

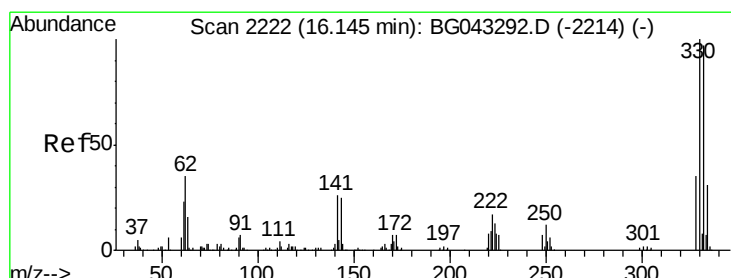
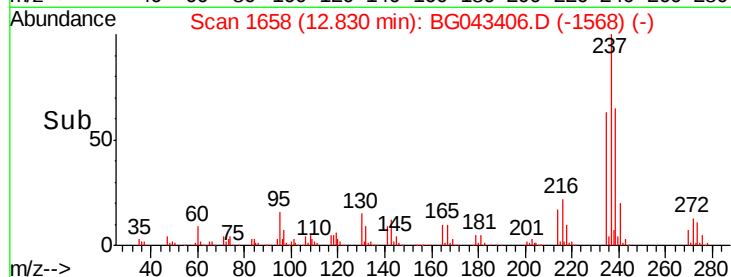
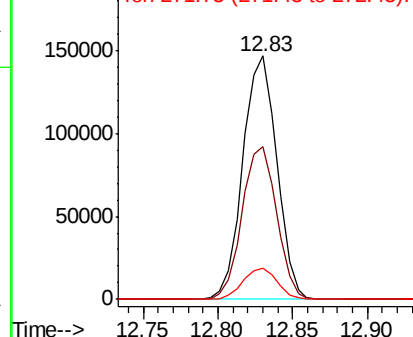
Tot Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	63.0	40.3	80.3
272	12.7	0.0	32.9

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM

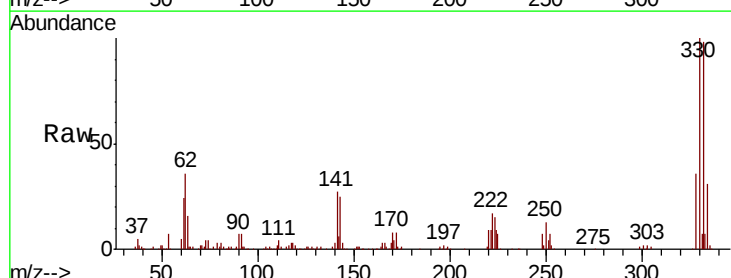


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

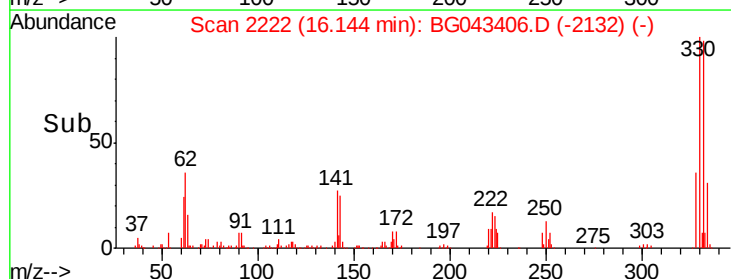
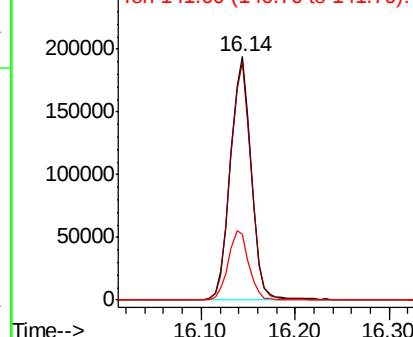


#42
2,4,6-Tribromophenol
Concen: 137.156 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.4	76.4	114.6
141	28.5	21.4	32.0



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





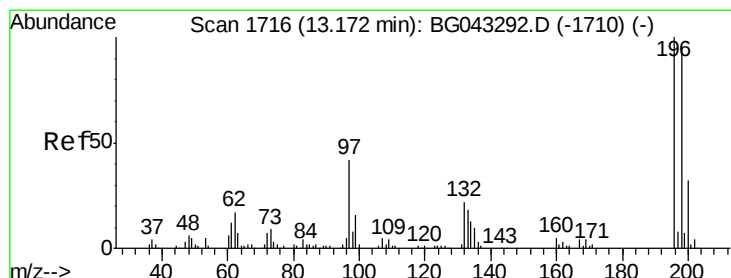
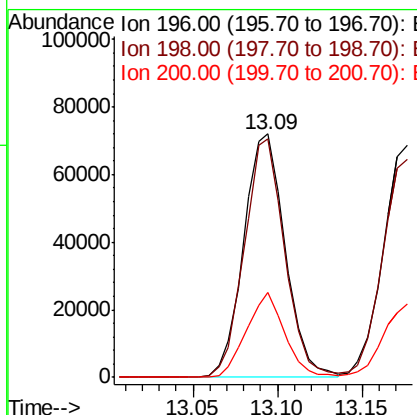
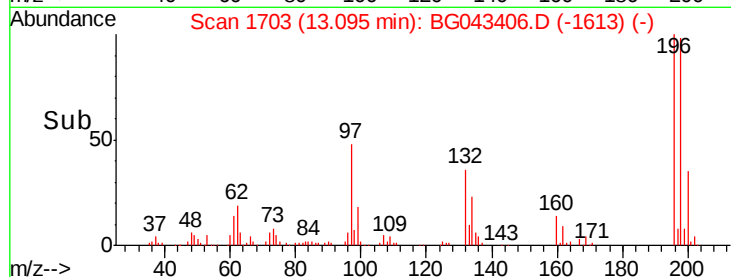
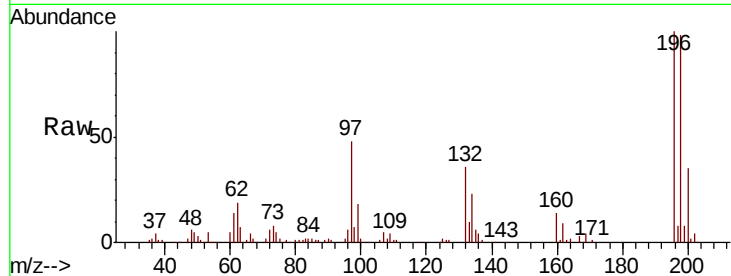
#43
 2,4,6-Trichlorophenol
 Concen: 48.771 ng
 RT: 13.09 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampled :
 R-1MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	122403		
198	98.1	77.0	115.4	
200	34.7	27.4	41.2	

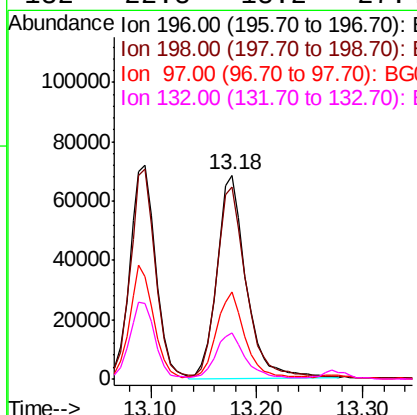
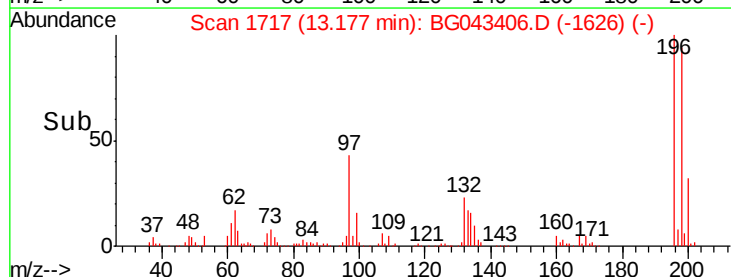
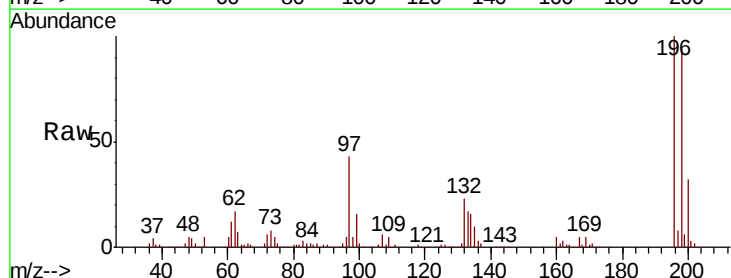
Manual Integrations
 APPROVED

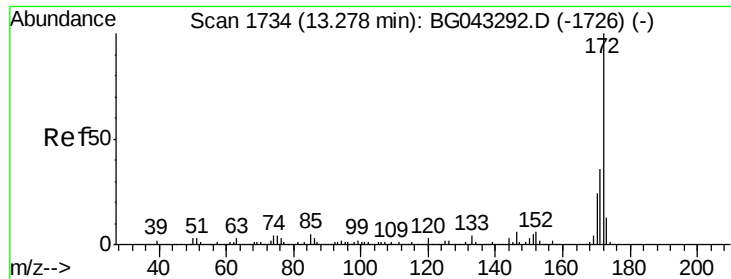
mohammad
 10/31/2019 2:51:55 PM



#44
 2,4,5-Trichlorophenol
 Concen: 51.689 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	131151		
198	94.1	76.6	114.8	
97	43.0	34.1	51.1	
132	22.8	18.2	27.4	





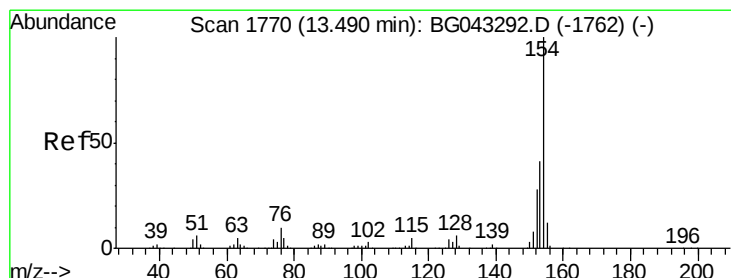
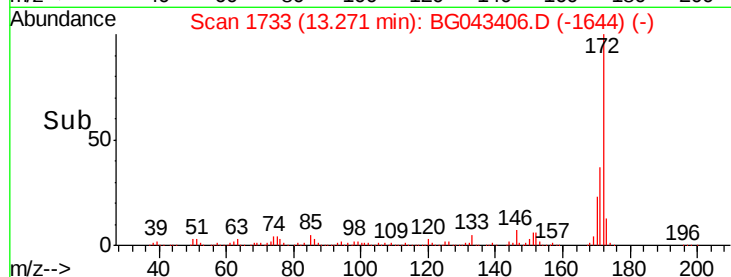
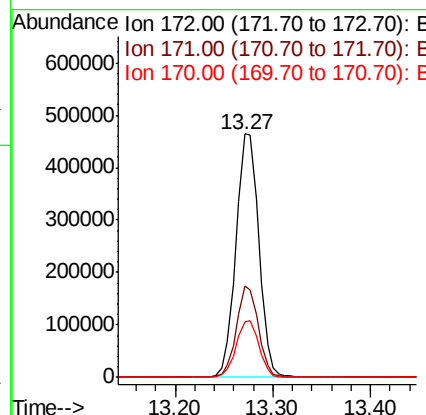
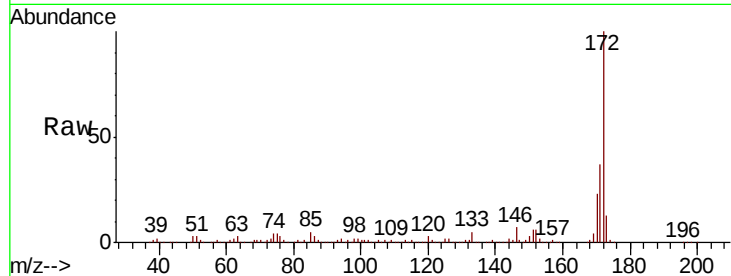
#45
2-Fluorobiphenyl
Concen: 90.813 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.5	42.7
170	23.0	18.8	28.2

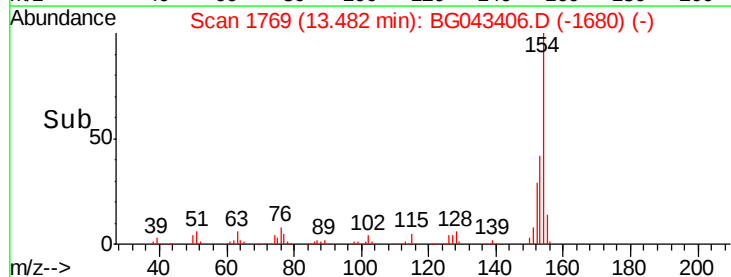
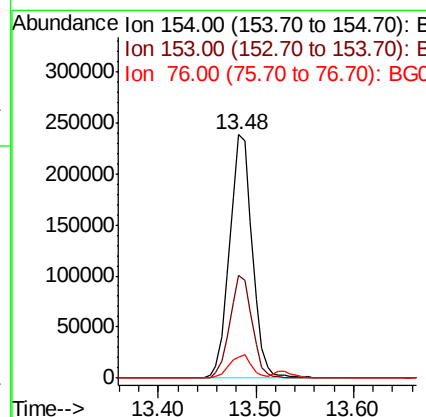
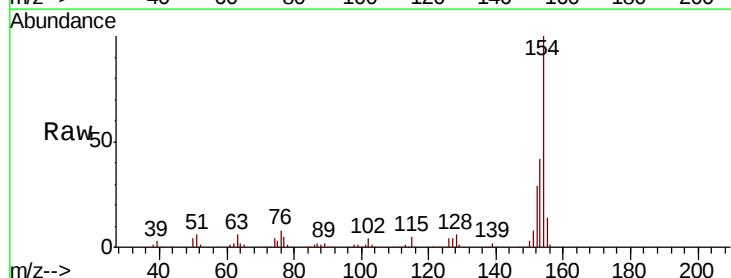
Manual Integrations
APPROVED

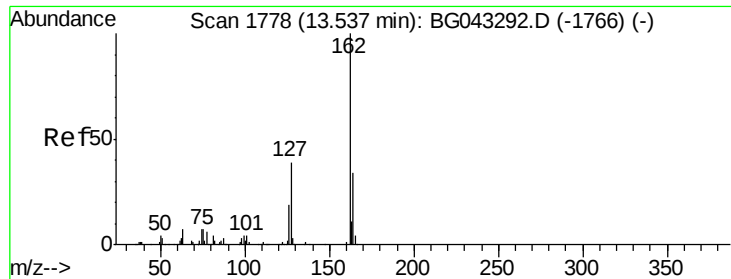
mohammad
10/31/2019 2:51:55 PM



#46
1,1'-Biphenyl
Concen: 43.904 ng
RT: 13.48 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.5	21.0	61.0
76	8.4	0.0	29.8





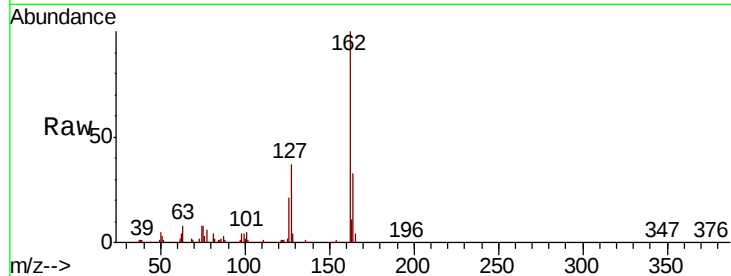
#47
2-Chloronaphthalene
Concen: 45.054 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampled :
R-1MS

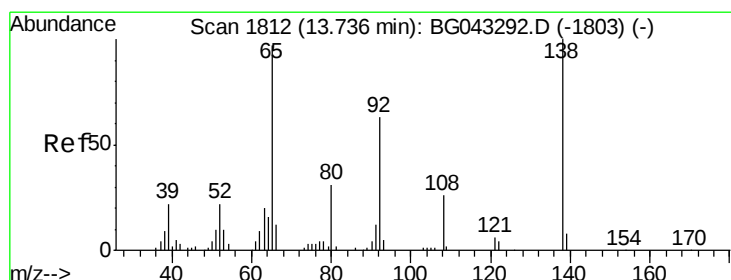
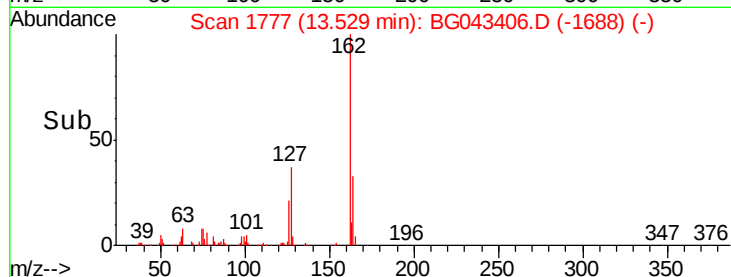
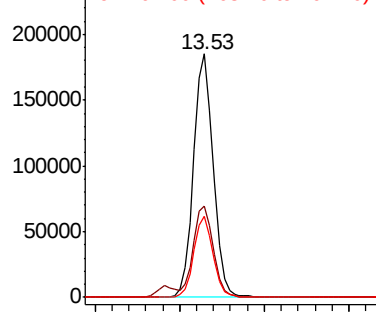
Tot Ion	Ratio	Resp	Lower	Upper
162	100	300308		
127	37.5		31.3	46.9
164	33.3		26.8	40.2

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM

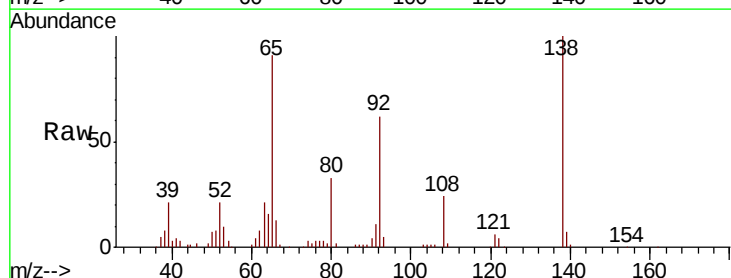


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

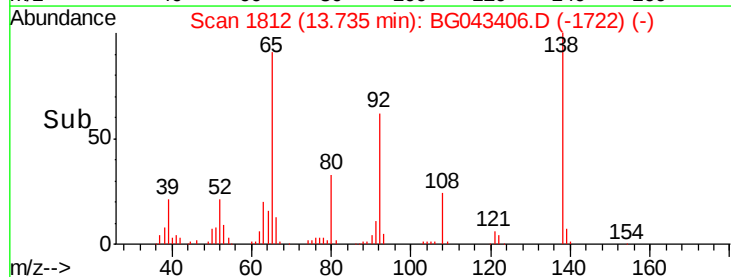
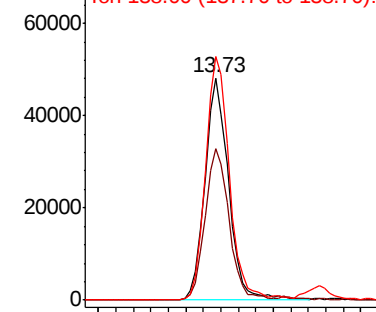


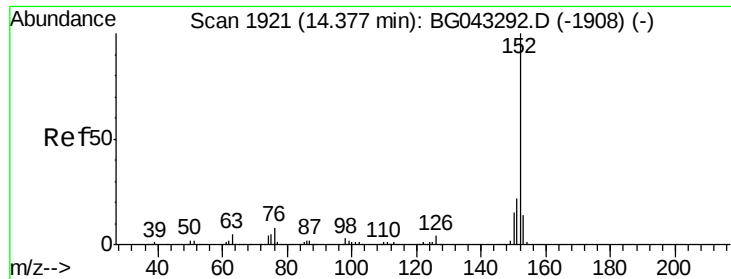
#48
2-Nitroaniline
Concen: 44.255 ng
RT: 13.73 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	88163		
92	68.0		52.6	79.0
138	109.5		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





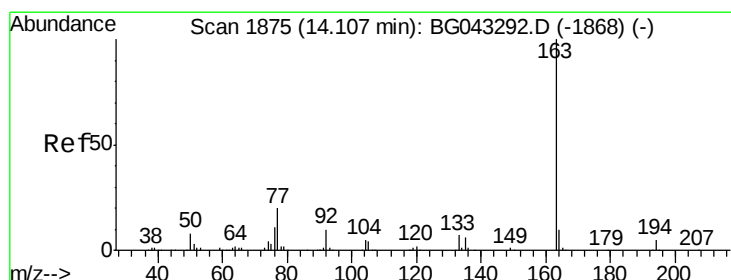
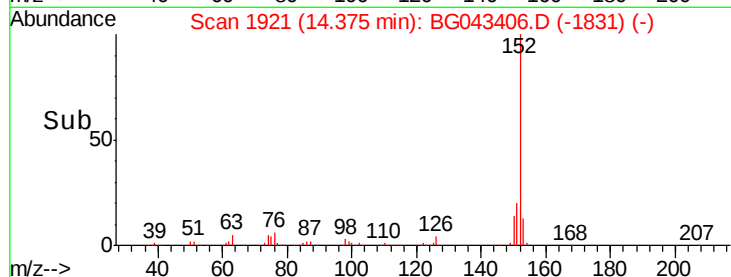
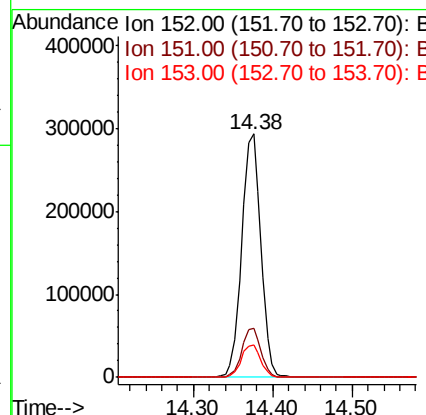
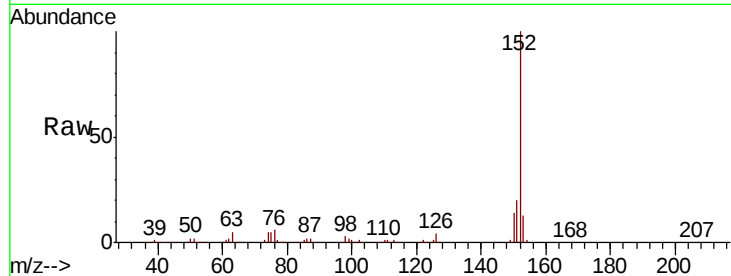
#49
Acenaphthylene
Concen: 47.326 ng
RT: 14.38 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion:	152	Resp:	490948
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	13.1	11.0	16.6

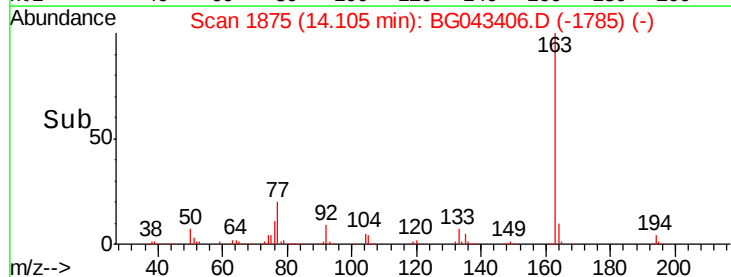
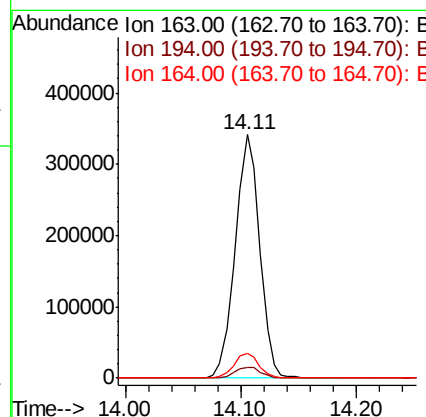
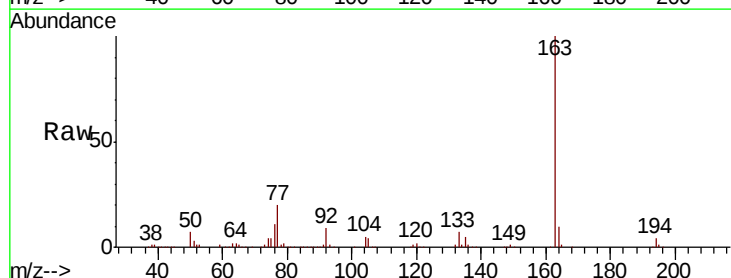
Manual Integrations
APPROVED

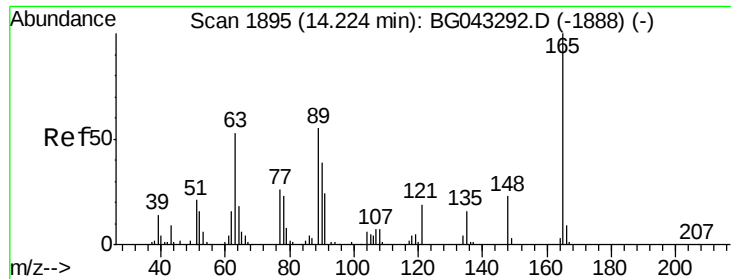
mohammad
10/31/2019 2:51:55 PM



#50
Dimethylphthalate
Concen: 56.119 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion:	163	Resp:	500550
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.7	5.5
164	10.2	8.1	12.1





#51

2,6-Dinitrotoluene

Concen: 46.636 ng

RT: 14.22 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

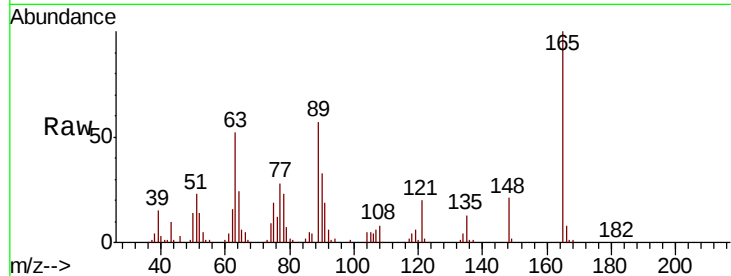
ClientSampleId :

R-1MS

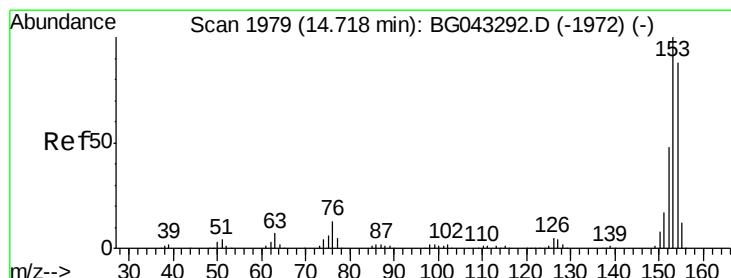
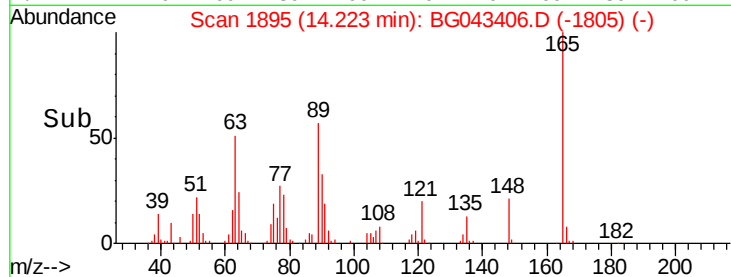
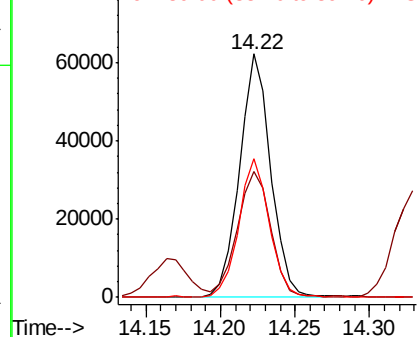
Tot Ion:	165	Resp:	90369
Ion Ratio	Lower	Upper	
165	100		
63	51.6	47.1	70.7
89	57.0	43.7	65.5

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



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



#52

Acenaphthene

Concen: 46.190 ng

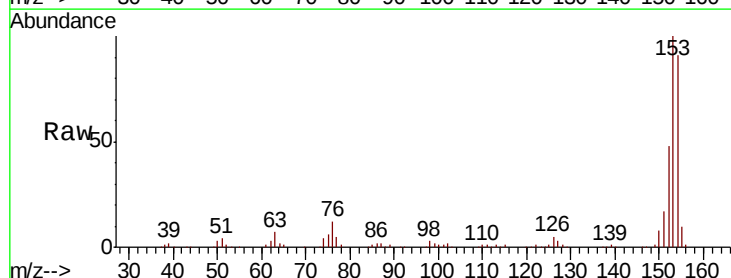
RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

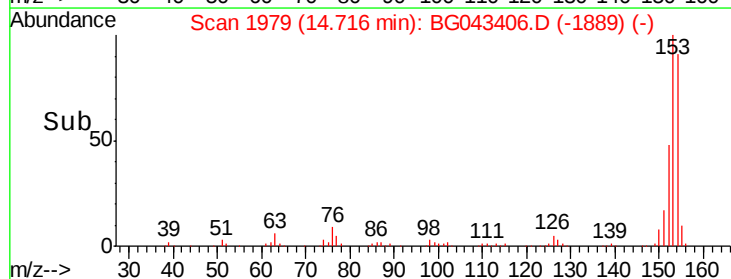
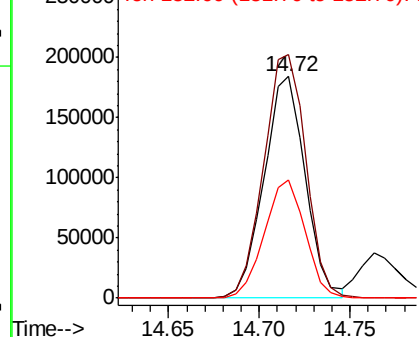
Lab File: BG043406.D

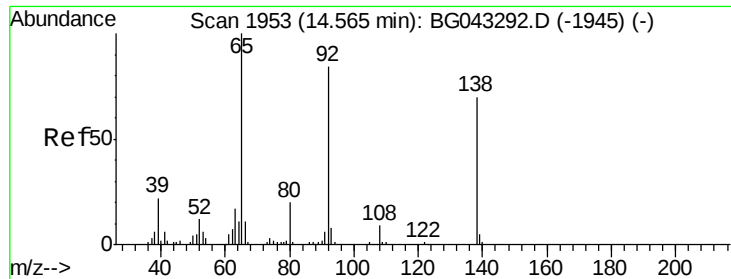
Acq: 30 Oct 2019 18:37

Tgt Ion:	154	Resp:	292210
Ion Ratio	Lower	Upper	
154	100		
153	110.0	90.9	136.3
152	53.2	43.9	65.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





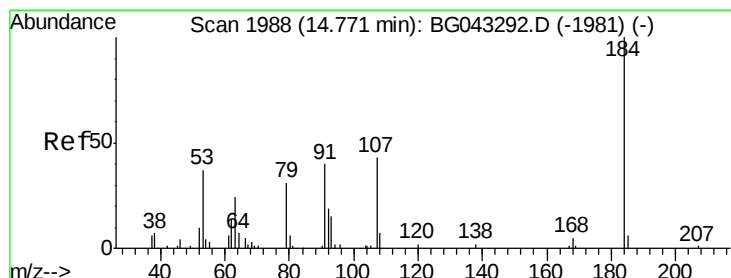
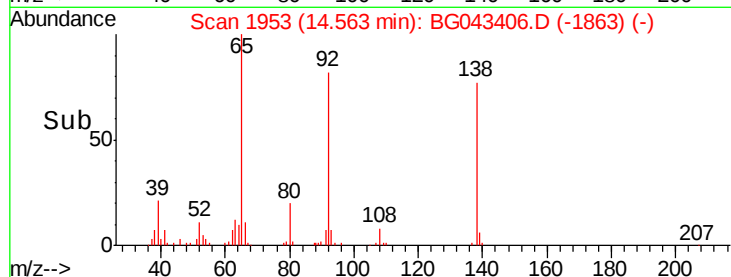
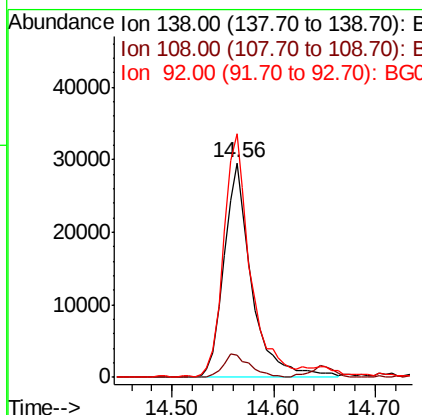
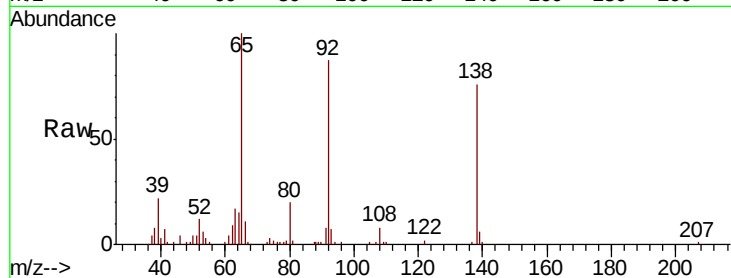
#53
3-Nitroaniline
Concen: 29.648 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	9.8	14.6
92	113.7	95.8	143.6

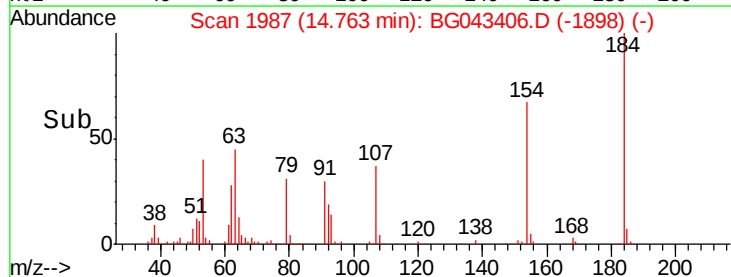
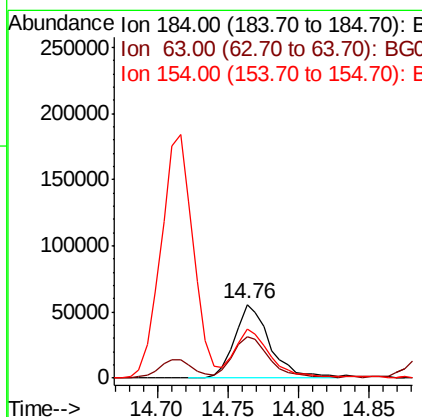
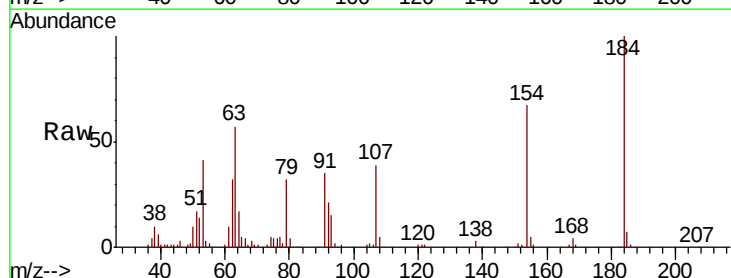
Manual Integrations
APPROVED

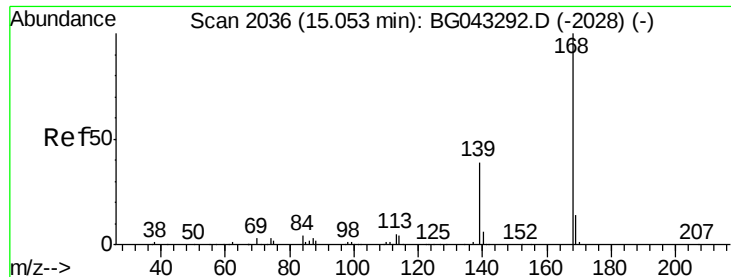
mohammad
10/31/2019 2:51:55 PM



#54
2,4-Dinitrophenol
Concen: 79.838 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.6	48.8	73.2
154	67.3	49.4	74.0





#55

Dibenzenofuran

Concen: 46.375 ng

RT: 15.05 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

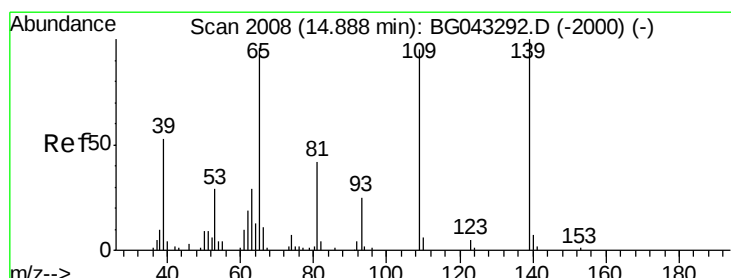
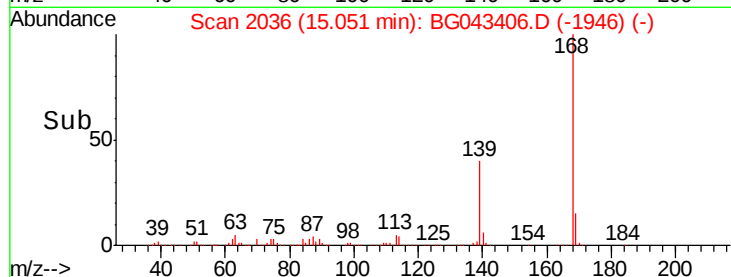
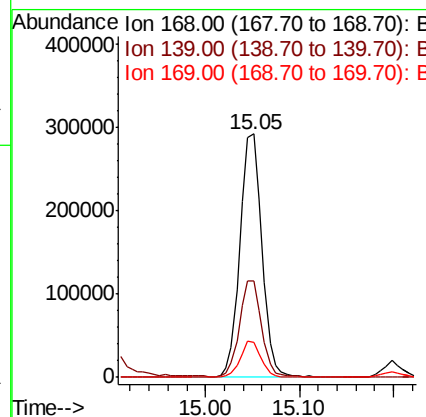
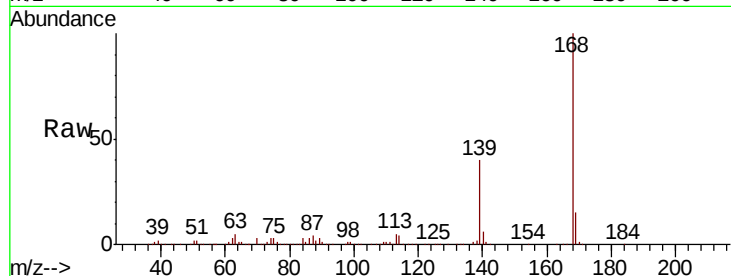
ClientSampleId :

R-IMS

Tot Ion:	168	Resp:	475768
Ion Ratio	Lower	Upper	
168	100		
139	39.6	31.7	47.5
169	14.5	11.0	16.4

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#56

4-Nitrophenol

Concen: 106.606 ng

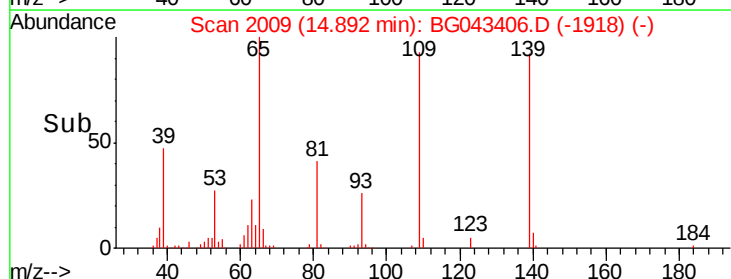
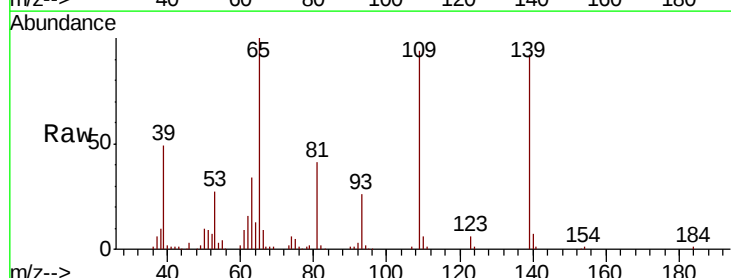
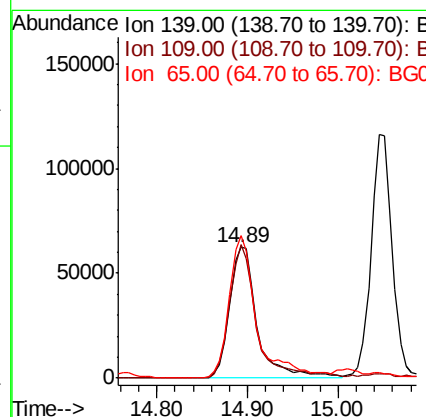
RT: 14.89 min Scan# 2009

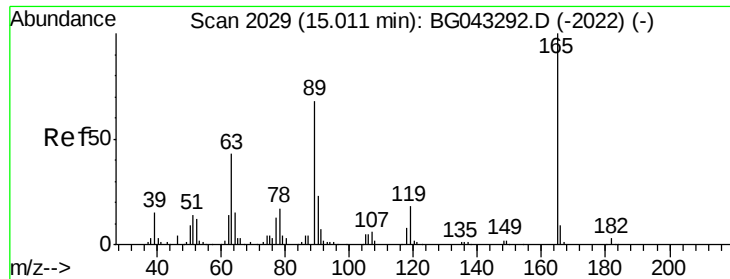
Delta R.T. 0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	139	Resp:	133653
Ion Ratio	Lower	Upper	
139	100		
109	102.2	75.4	115.4
65	109.2	76.6	116.6





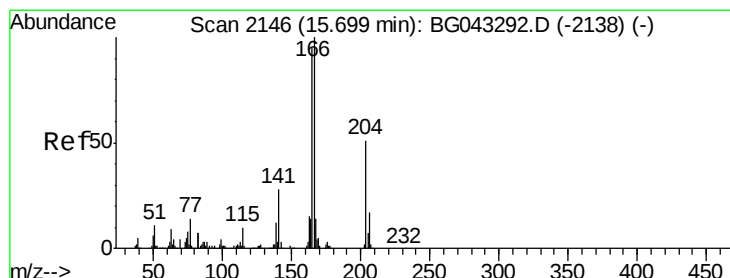
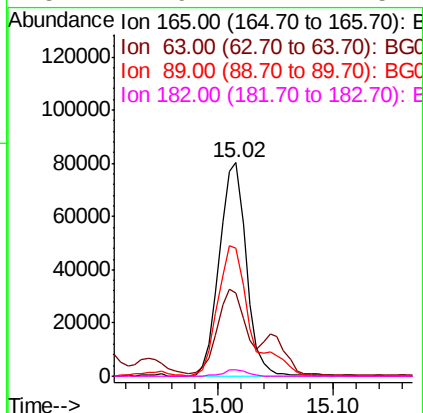
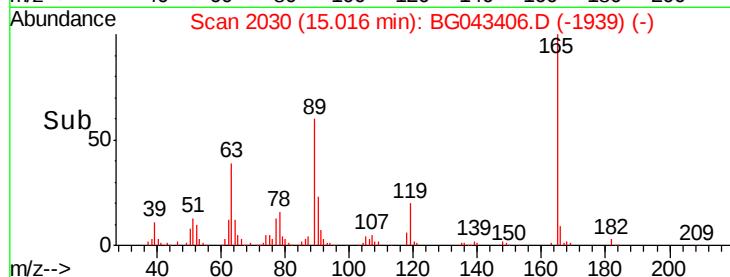
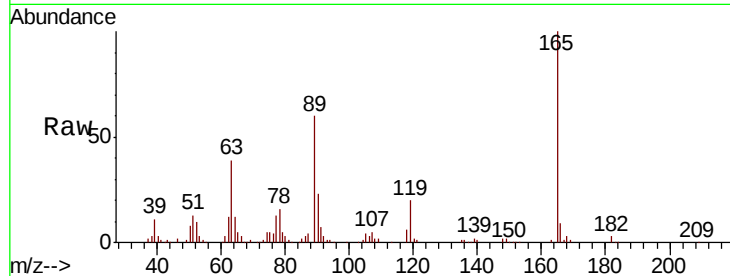
#57
2,4-Dinitrotoluene
Concen: 47.121 ng
RT: 15.02 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	39.1	35.0	52.6
89	60.2	54.1	81.1
182	2.9	2.2	3.2

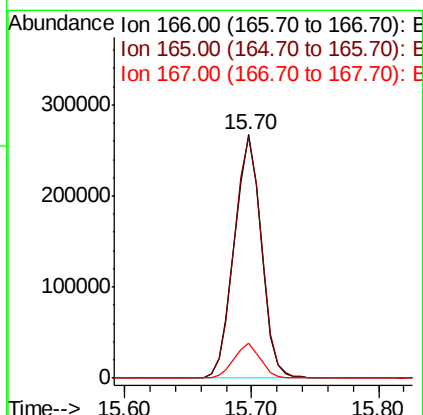
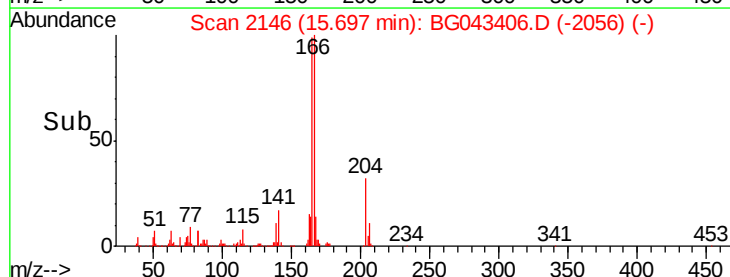
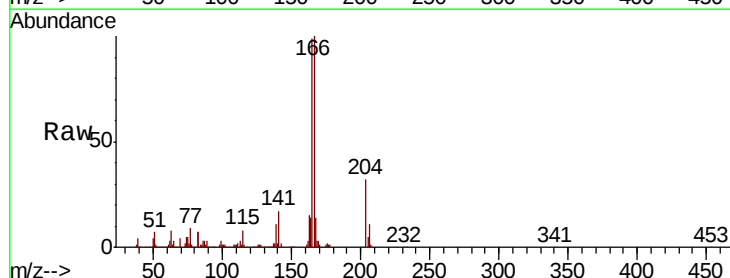
Manual Integrations
APPROVED

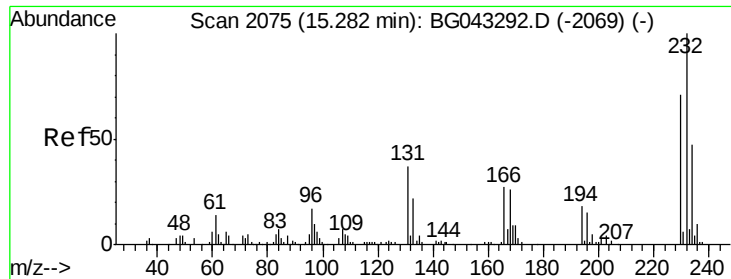
mohammad
10/31/2019 2:51:55 PM



#58
Fluorene
Concen: 45.770 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	76.4	114.6
167	14.3	11.1	16.7





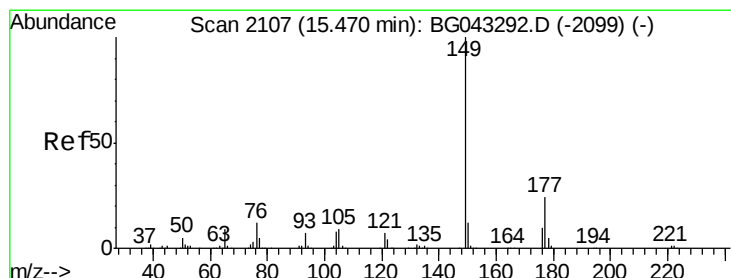
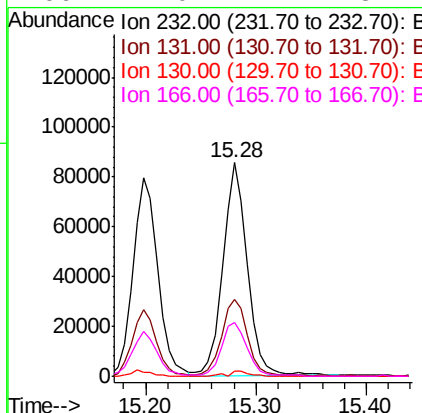
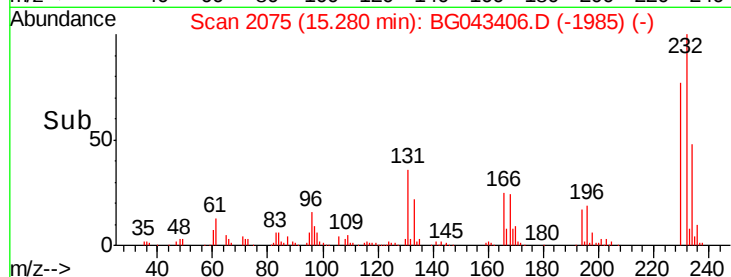
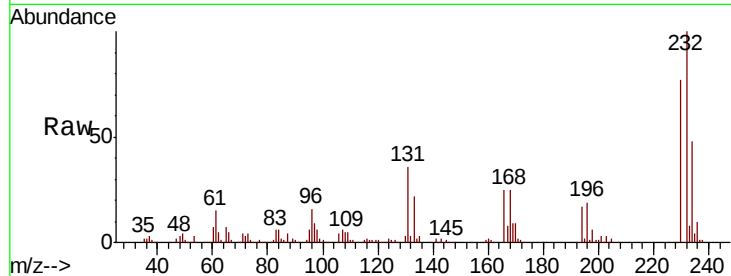
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.739 ng
 RT: 15.28 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 R-1MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	38.4	28.7	43.1	
130	2.0	0.6	0.8	
166	27.0	21.1	31.7	

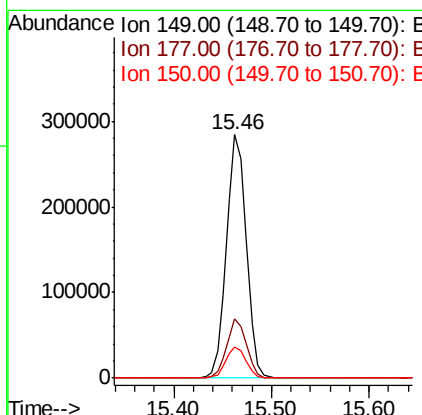
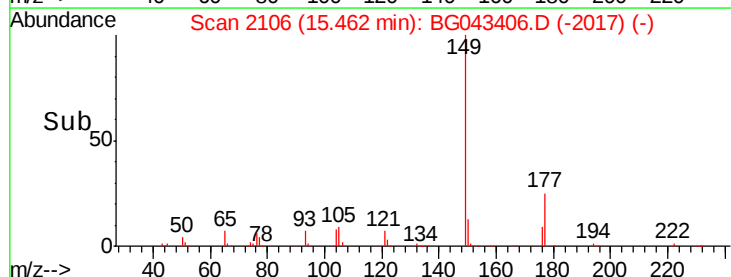
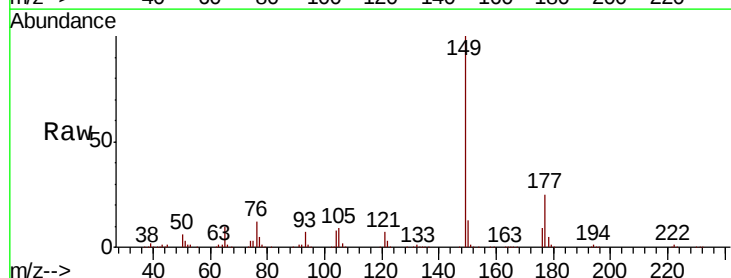
Manual Integrations
 APPROVED

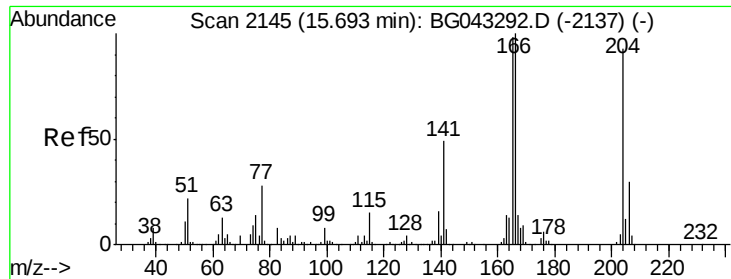
mohammad
 10/31/2019 2:51:55 PM



#60
 Diethylphthalate
 Concen: 44.790 ng
 RT: 15.46 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	24.5	19.0	28.4	
150	12.8	9.4	14.0	





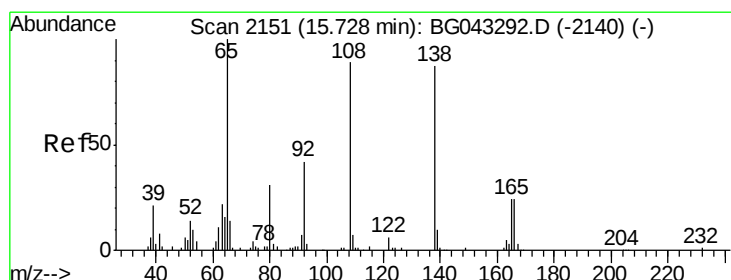
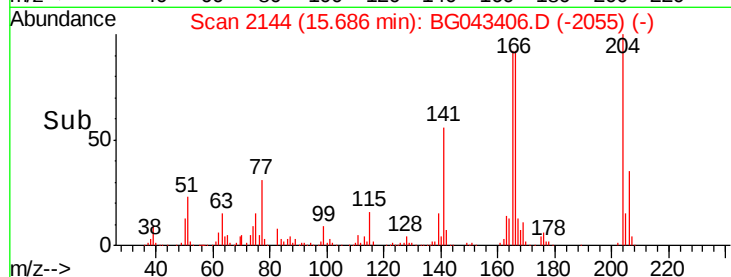
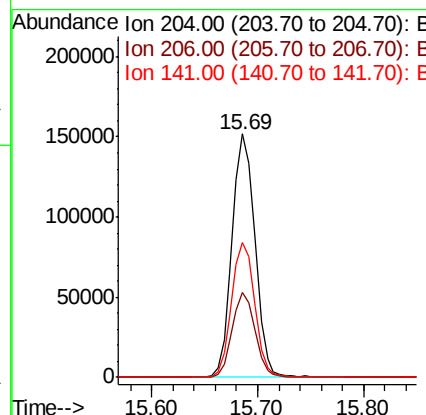
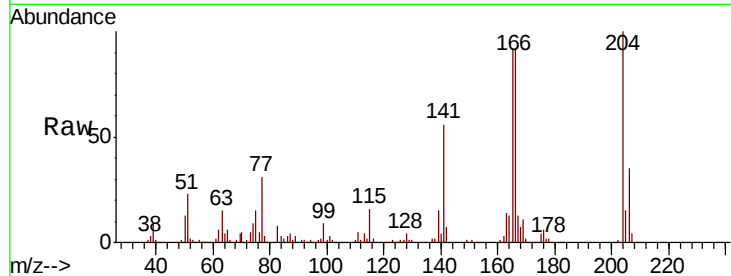
#61
4-Chlorophenyl-phenylether
Concen: 45.468 ng
RT: 15.69 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampled :
R-1MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.1	25.7	38.5
141	55.6	42.3	63.5

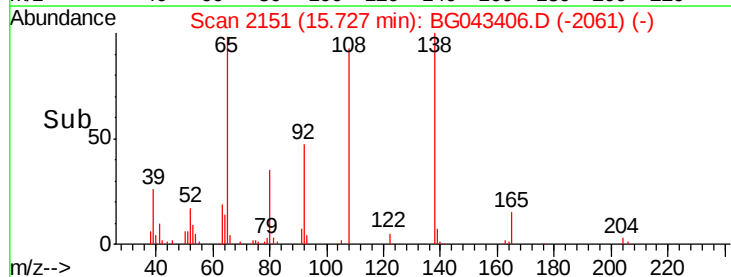
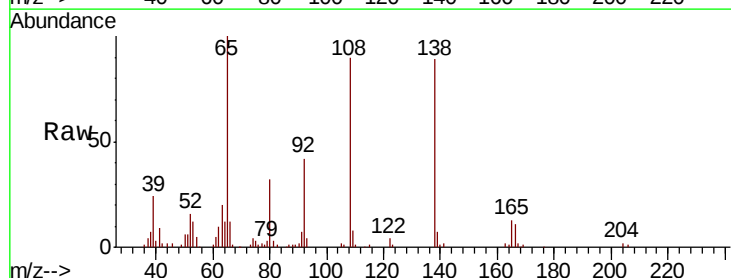
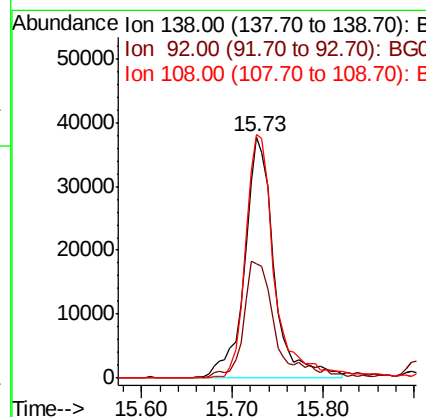
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#62
4-Nitroaniline
Concen: 43.860 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.4	28.8	68.8
108	100.9	82.7	122.7





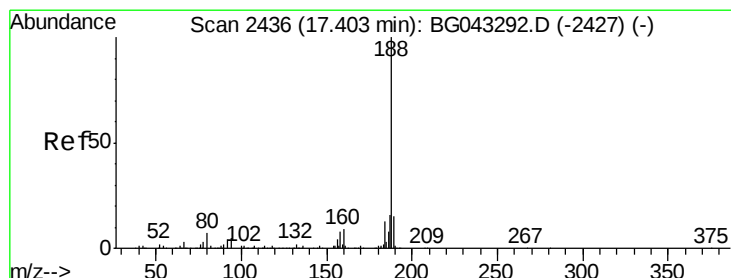
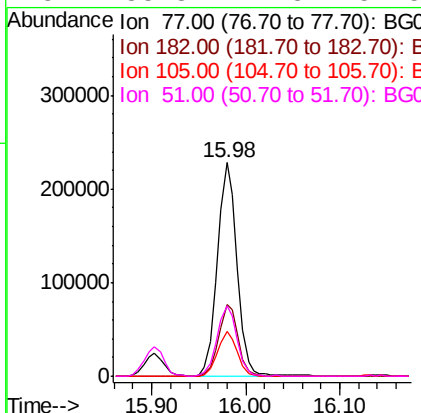
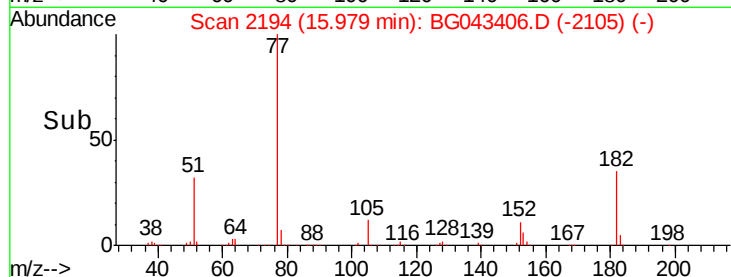
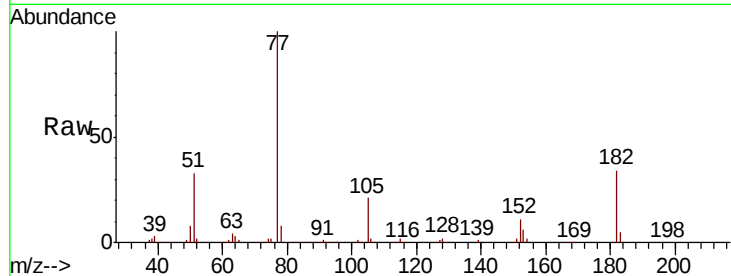
#63
Azobenzene
Concen: 45.880 ng
RT: 15.98 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	33.8	14.9	54.9	
105	20.8	0.6	40.6	
51	33.3	12.5	52.5	

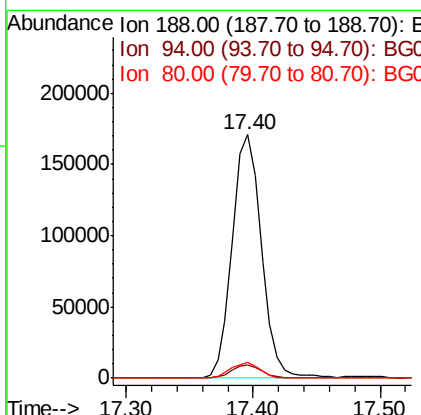
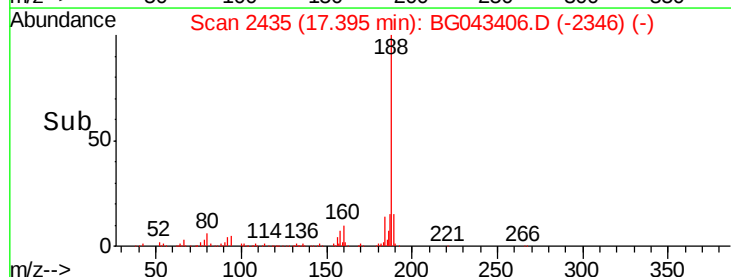
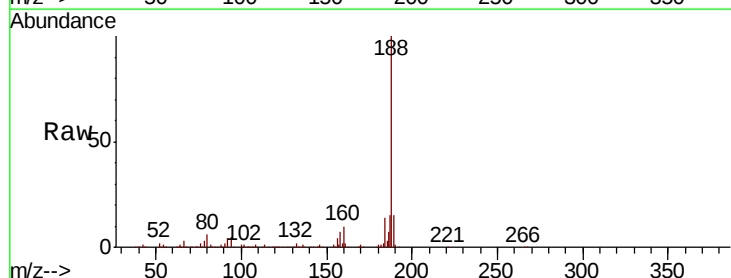
Manual Integrations
APPROVED

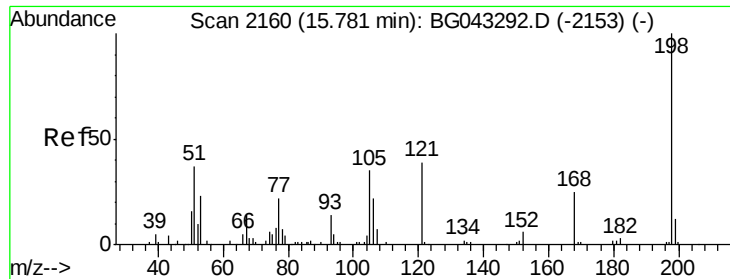
mohammad
10/31/2019 2:51:55 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.4	4.2	6.2	
80	6.5	5.2	7.8	





#65

4,6-Dinitro-2-methylphenol

Concen: 48.371 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

ClientSampleId :

R-1MS

Tot Ion:198 Resp: 77659

Ion Ratio Lower Upper

198 100

51 40.7 21.4 61.4

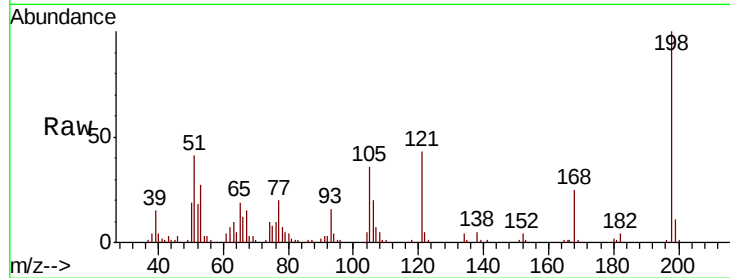
105 35.9 16.5 56.5

Manual Integrations

APPROVED

mohammad

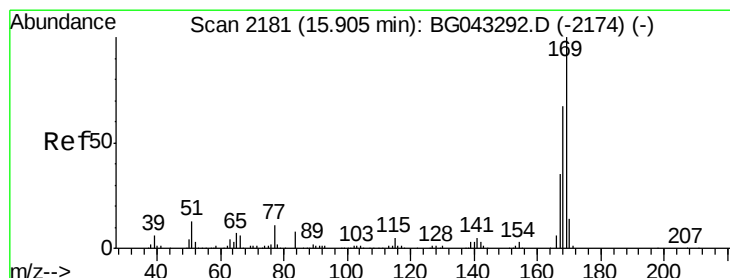
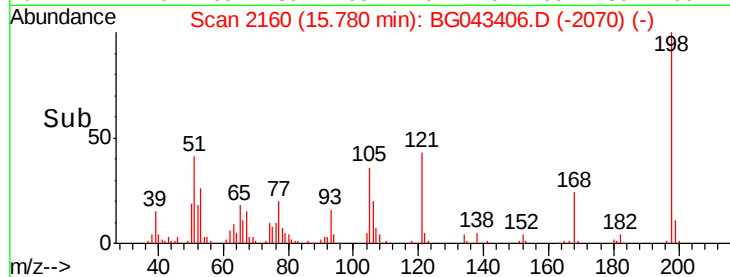
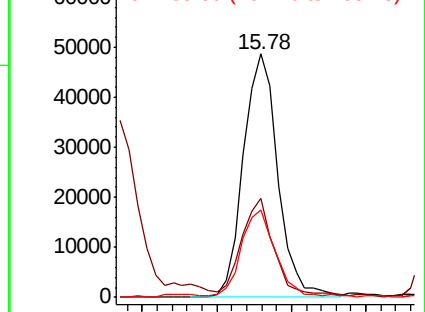
10/31/2019 2:51:55 PM



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: 45.570 ng

RT: 15.90 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

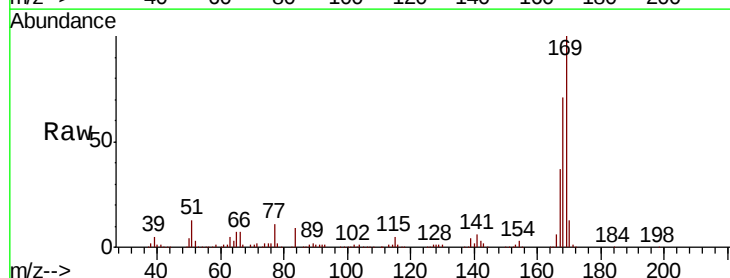
Tgt Ion:169 Resp: 350984

Ion Ratio Lower Upper

169 100

168 70.7 53.9 80.9

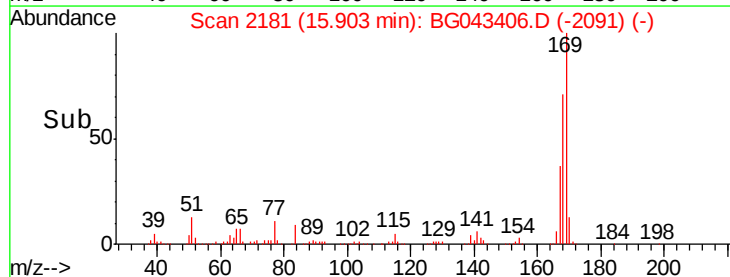
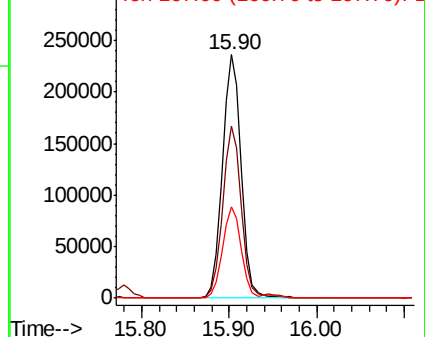
167 37.5 28.3 42.5



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





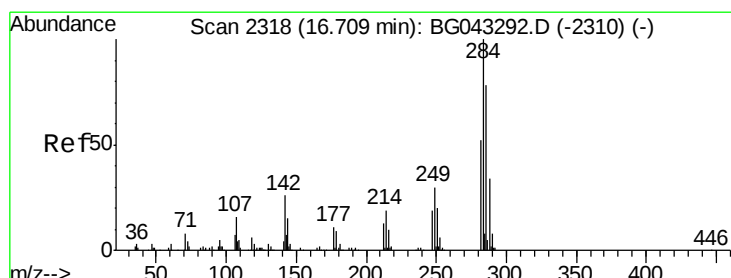
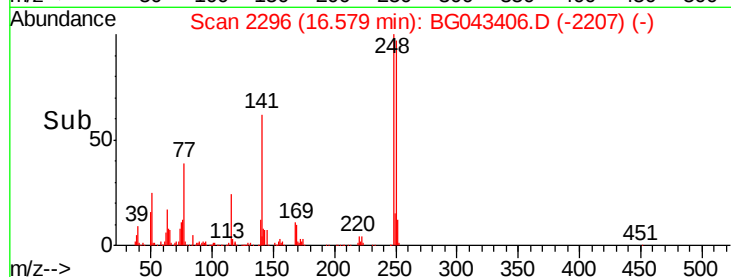
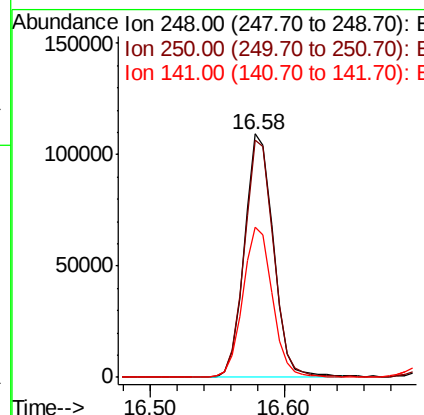
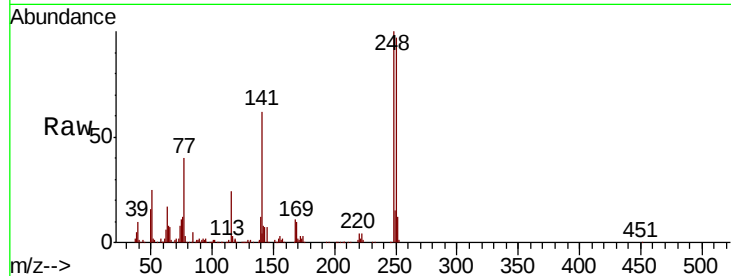
#67
4-Bromophenyl-phenylether
Concen: 44.397 ng
RT: 16.58 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.3	118.9
141	61.9	47.9	71.9

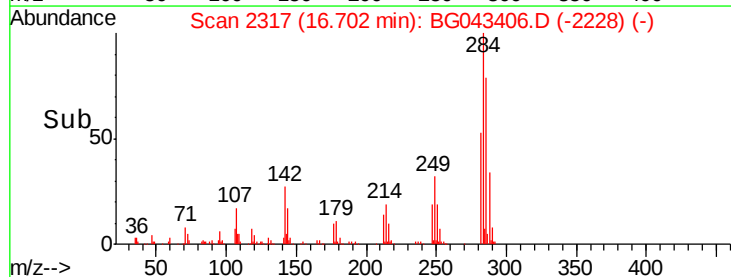
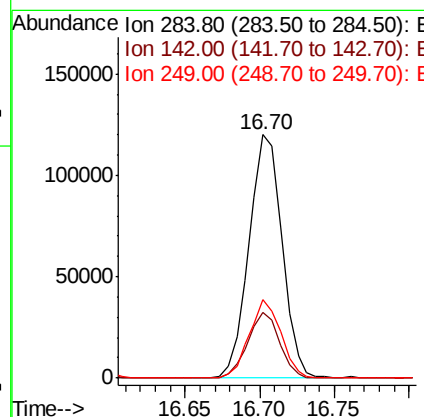
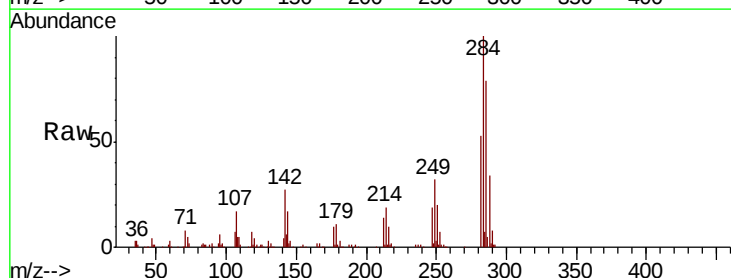
Manual Integrations
APPROVED

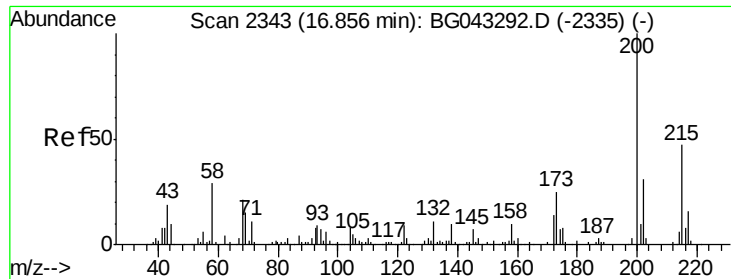
mohammad
10/31/2019 2:51:55 PM



#68
Hexachlorobenzene
Concen: 43.662 ng
RT: 16.70 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.2	21.1	31.7
249	32.0	24.4	36.6





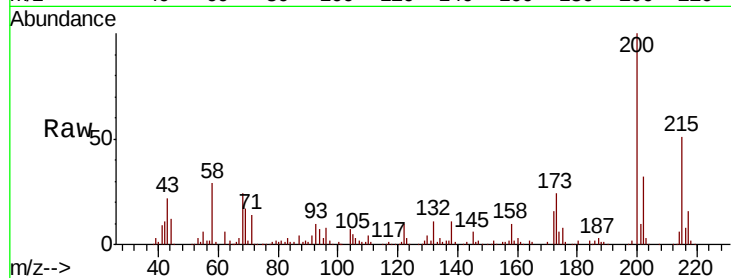
#69
 Atrazine
 Concen: 57.414 ng
 RT: 16.85 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 R-1MS

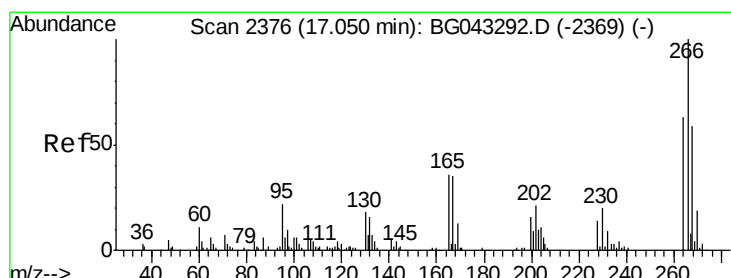
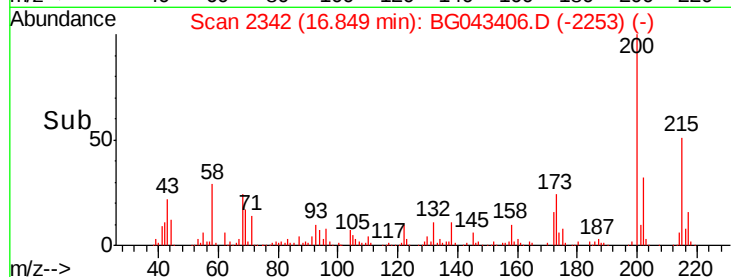
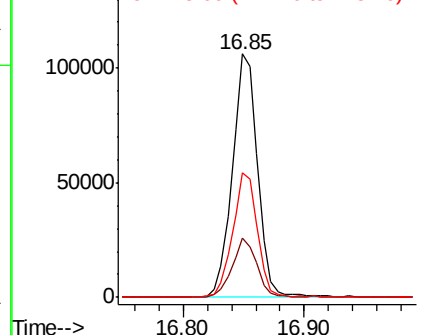
Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	24.1	5.1	45.1
215	51.2	26.6	66.6

Manual Integrations
 APPROVED

mohammad
 10/31/2019 2:51:55 PM

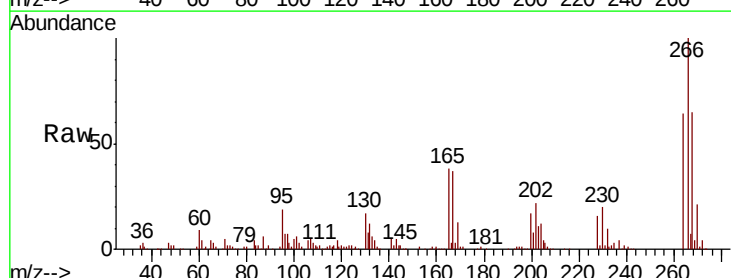


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

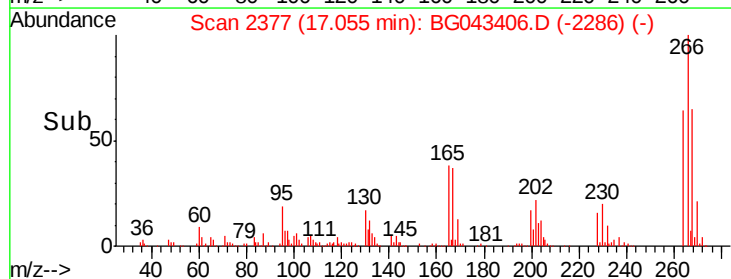
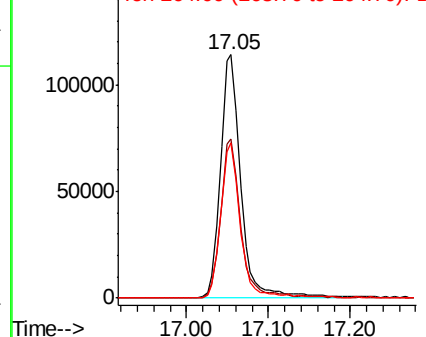


#70
 Pentachlorophenol
 Concen: 103.643 ng
 RT: 17.05 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	65.5	47.1	70.7
264	63.7	50.4	75.6



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





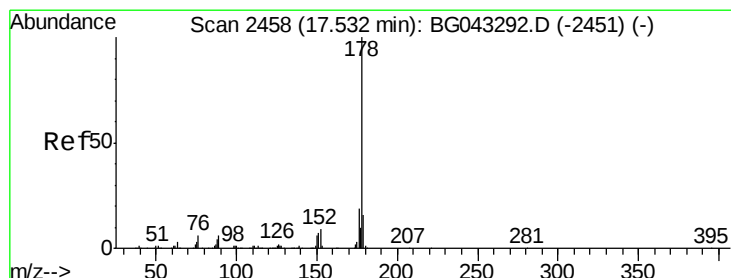
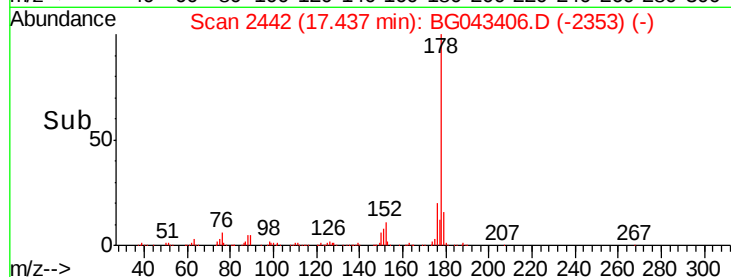
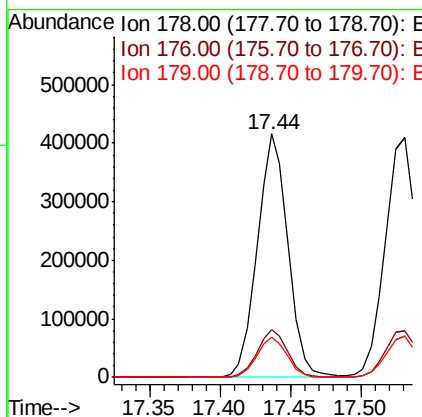
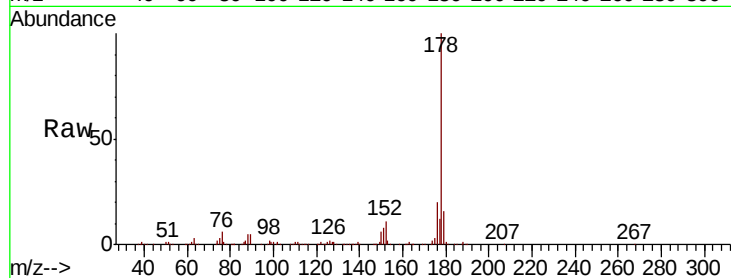
#71
Phenanthrene
Concen: 45.358 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.5	13.1	19.7

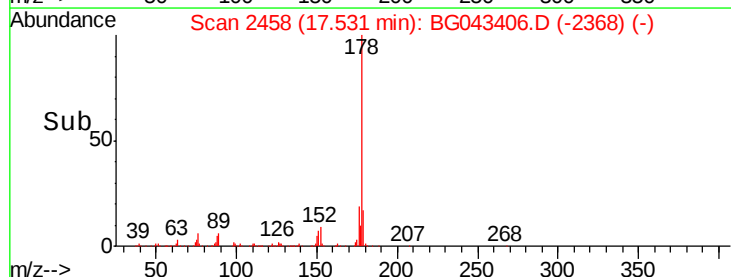
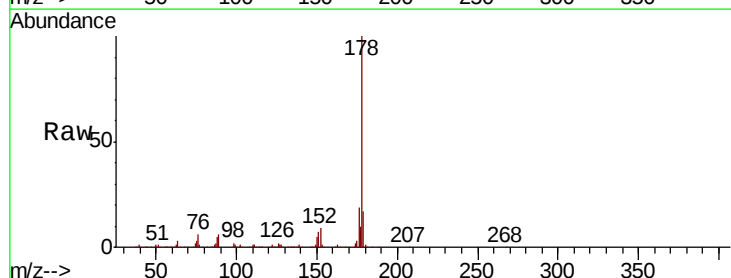
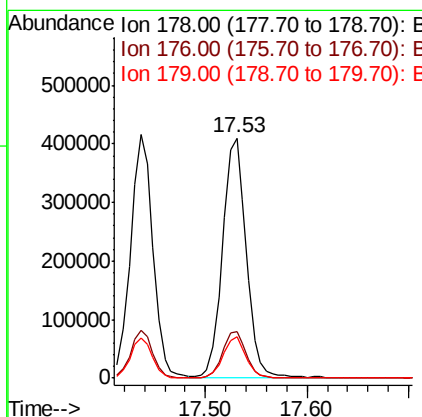
Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#72
Anthracene
Concen: 47.199 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	17.1	13.0	19.6





#73

Carbazole

Concen: 46.430 ng

RT: 17.80 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

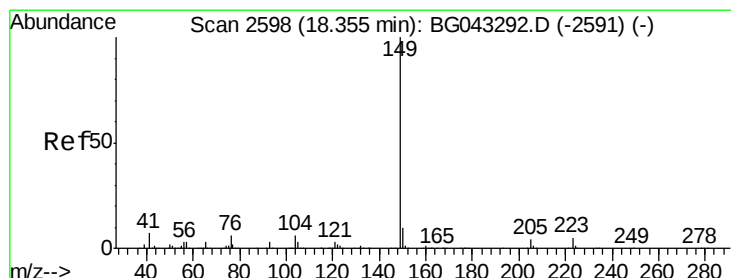
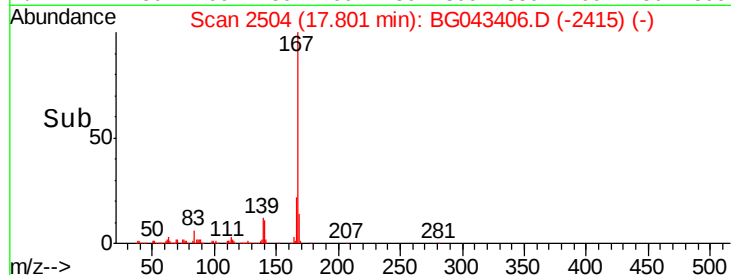
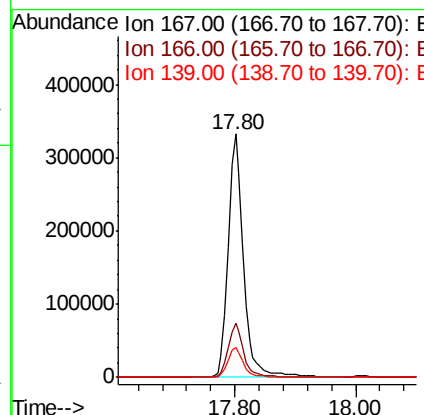
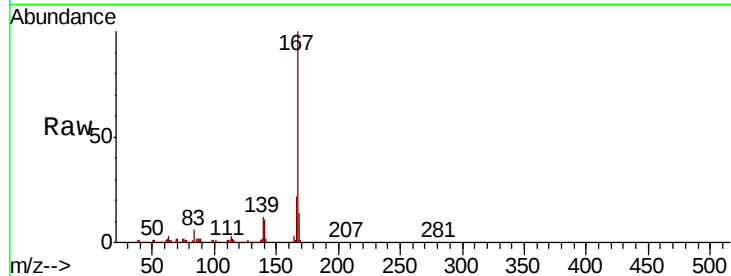
ClientSampleId :

R-1MS

Tot Ion:	167	Resp:	587686
Ion Ratio	Lower	Upper	
167	100		
166	22.1	18.4	27.6
139	12.3	10.2	15.4

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#74

Di-n-butylphthalate

Concen: 45.058 ng

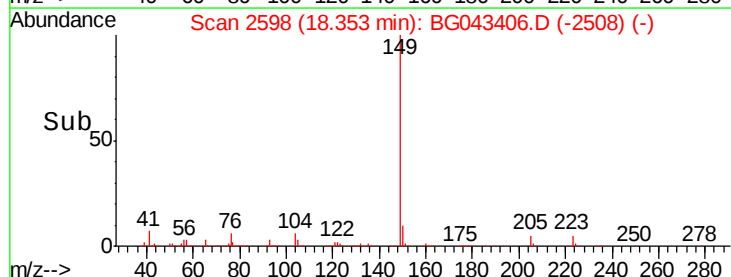
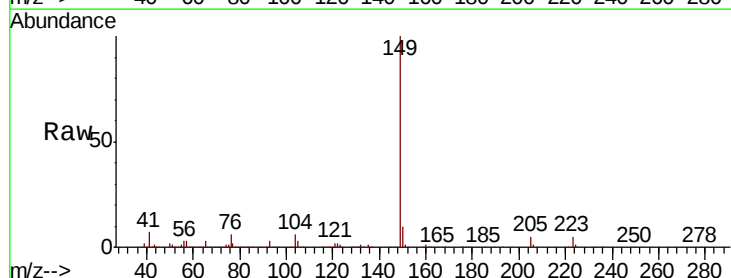
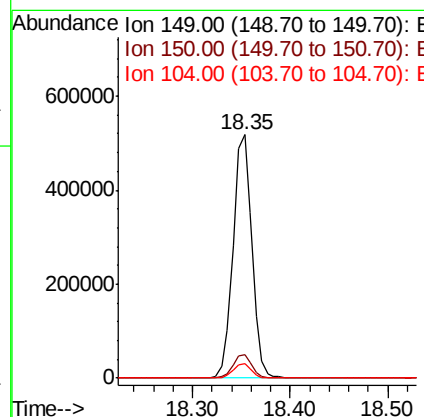
RT: 18.35 min Scan# 2598

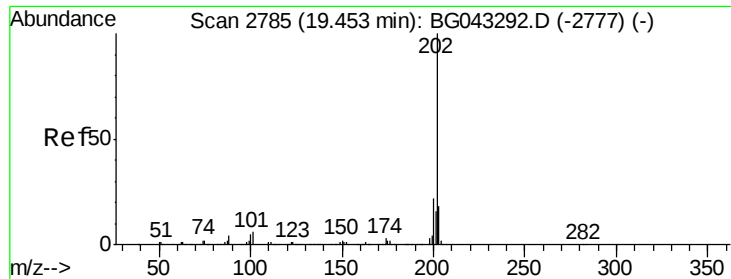
Delta R.T. -0.00 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	149	Resp:	692000
Ion Ratio	Lower	Upper	
149	100		
150	9.8	8.0	12.0
104	5.8	4.7	7.1





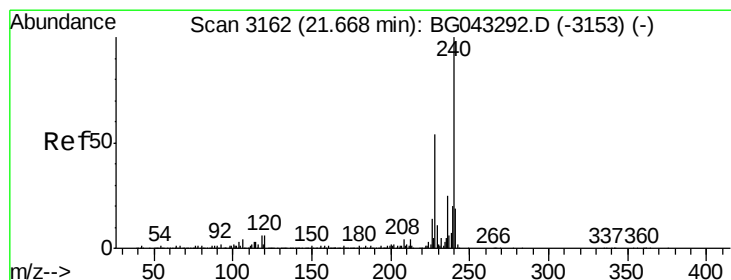
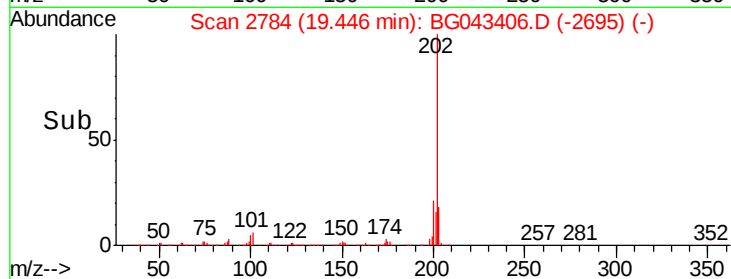
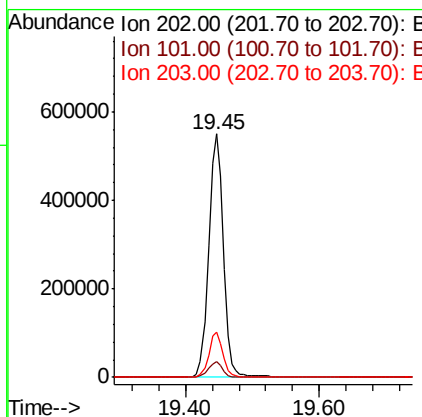
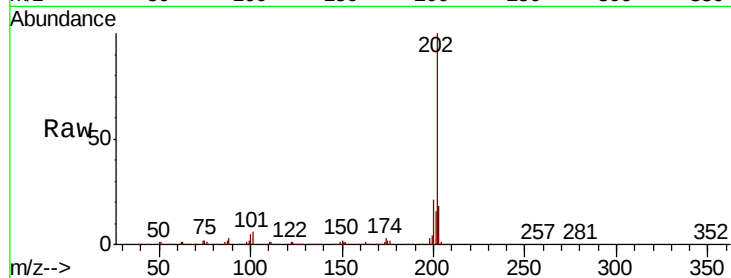
#75
 Fluoranthene
 Concen: 46.353 ng
 RT: 19.45 min Scan# 2784
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 R-1MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.5	0.0	26.0
203	18.4	0.0	38.2

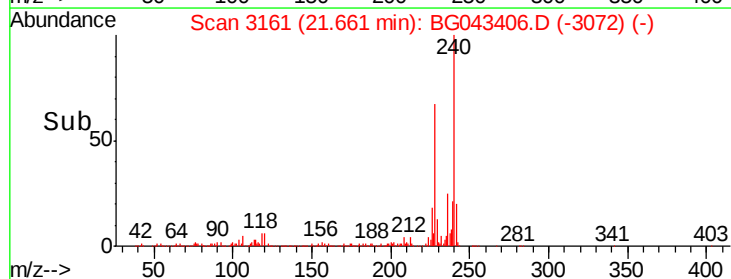
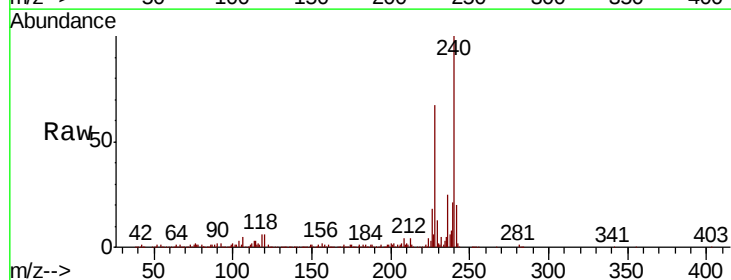
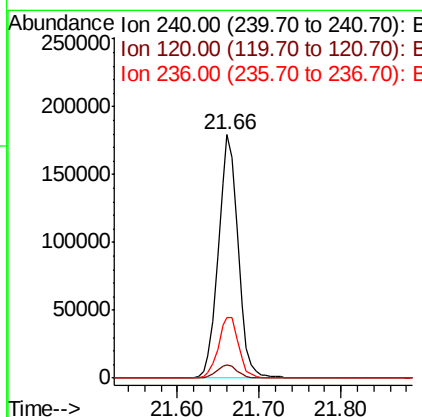
Manual Integrations
 APPROVED

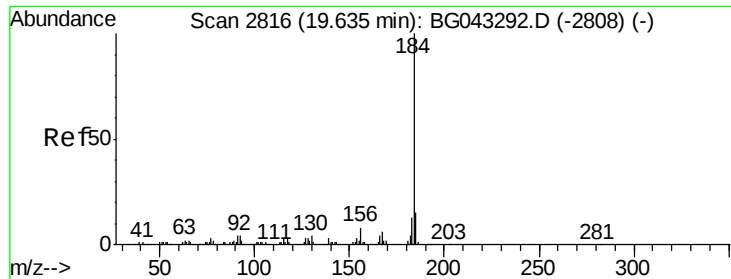
mohammad
 10/31/2019 2:51:55 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	5.6	4.6	7.0
236	24.9	20.2	30.4





#77

Benzidine

Concen: 53.504 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

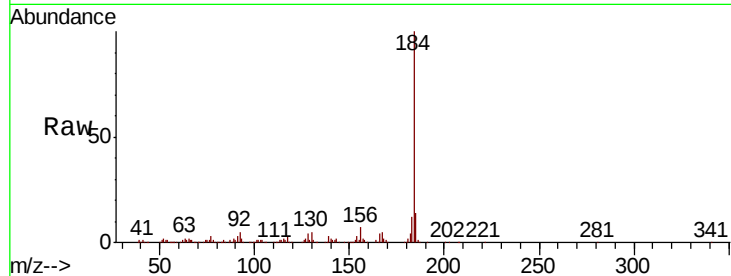
ClientSampleId :

R-1MS

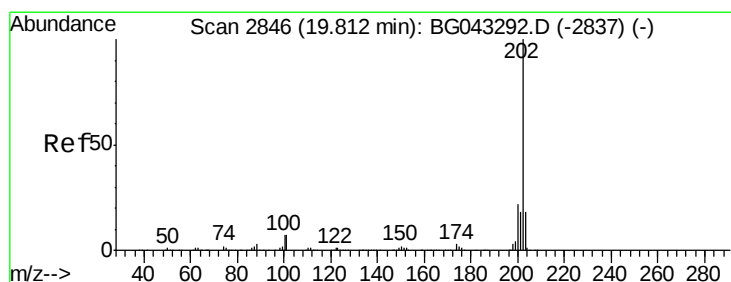
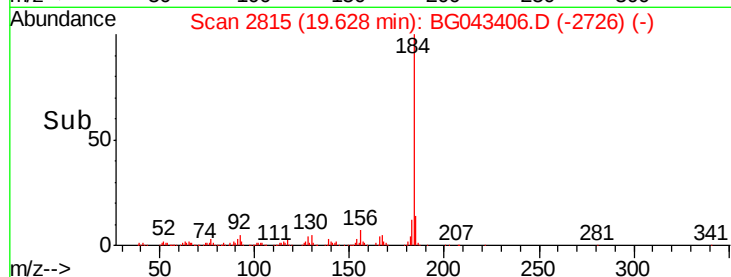
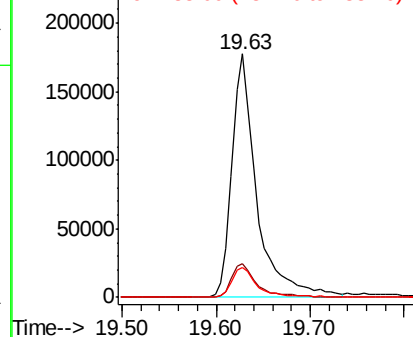
Tot Ion:	184	Resp:	324067
Ion Ratio	Lower	Upper	
184	100		
185	14.0	11.8	17.6
183	12.4	10.6	16.0

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



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



#78

Pyrene

Concen: 45.623 ng

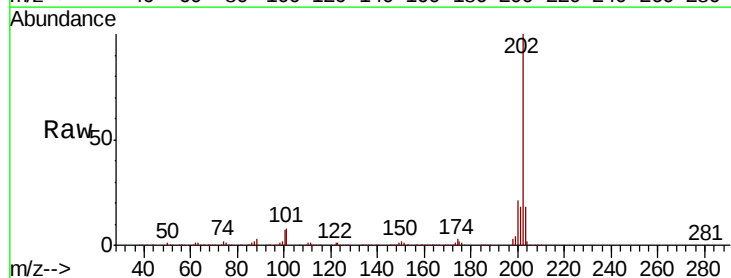
RT: 19.80 min Scan# 2845

Delta R.T. -0.01 min

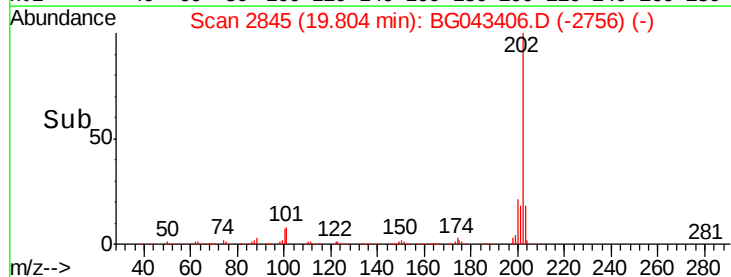
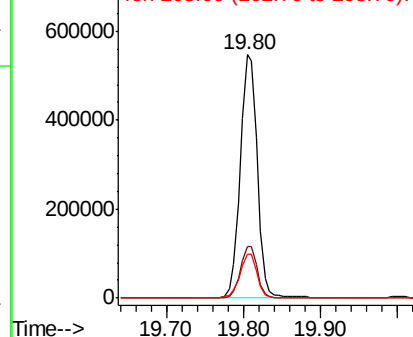
Lab File: BG043406.D

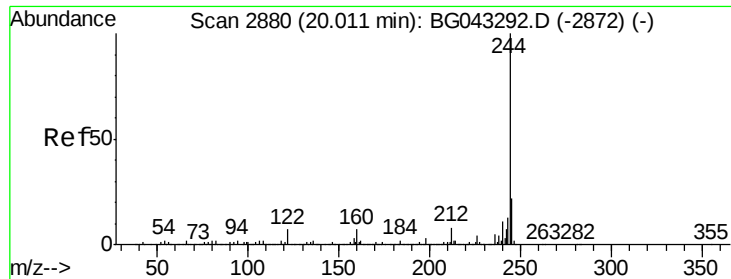
Acq: 30 Oct 2019 18:37

Tgt Ion:	202	Resp:	849905
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.3	25.9
203	18.3	14.5	21.7



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





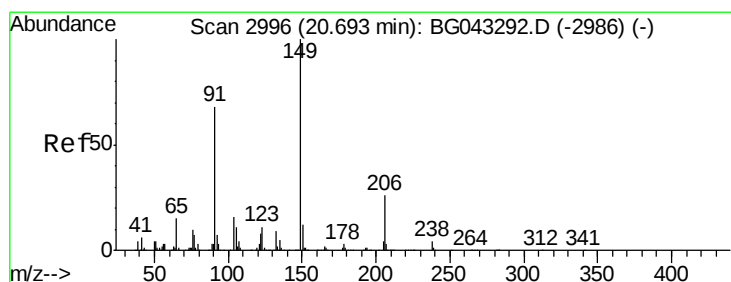
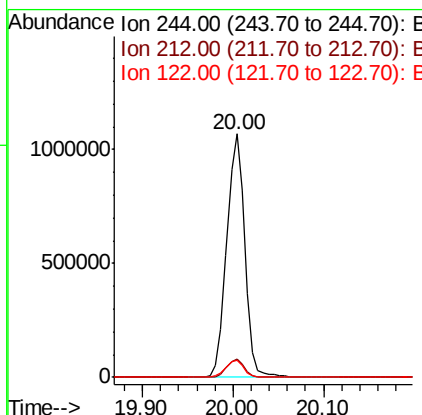
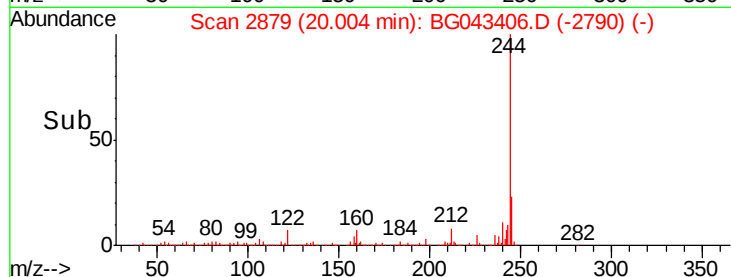
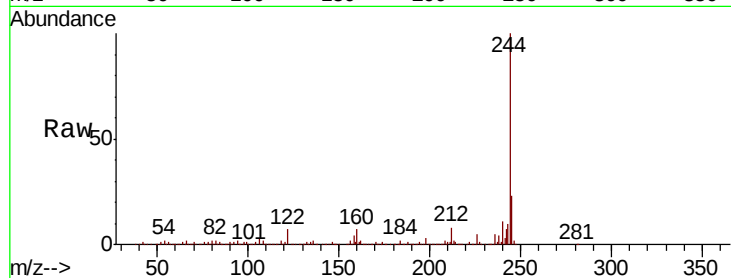
#79
 Terphenyl-d14
 Concen: 92.193 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampled :
 R-IMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	7.0	5.3	7.9

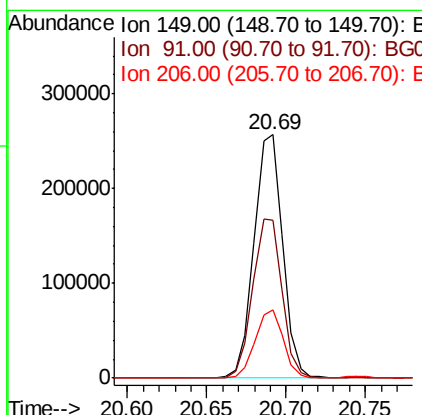
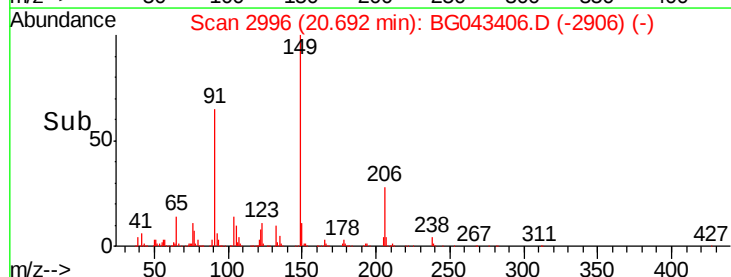
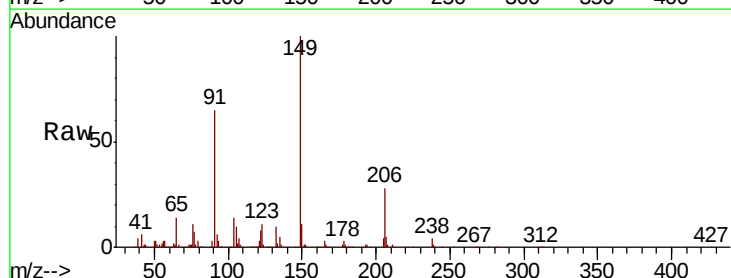
Manual Integrations
 APPROVED

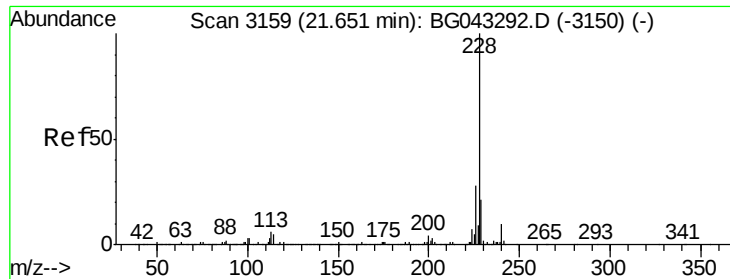
mohammad
 10/31/2019 2:51:55 PM



#80
 Butylbenzylphthalate
 Concen: 45.932 ng
 RT: 20.69 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.7	54.6	82.0
206	28.1	20.5	30.7





#81

Benzo(a)anthracene

Concen: 46.370 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

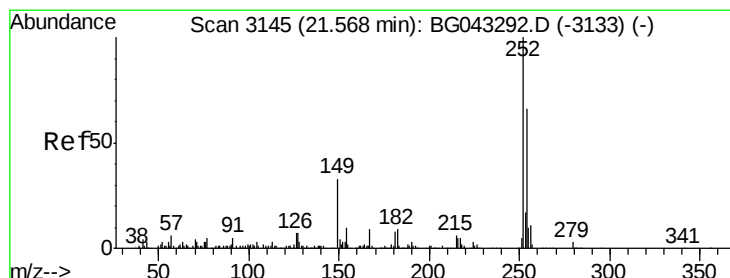
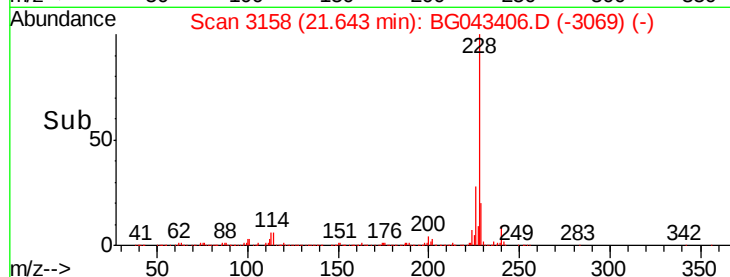
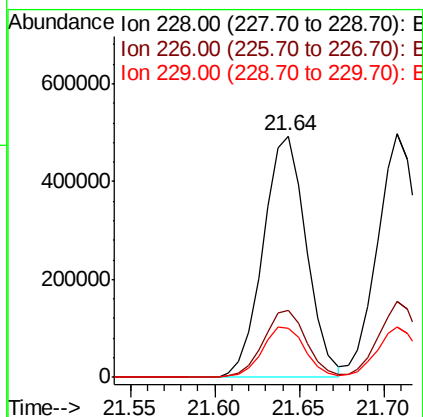
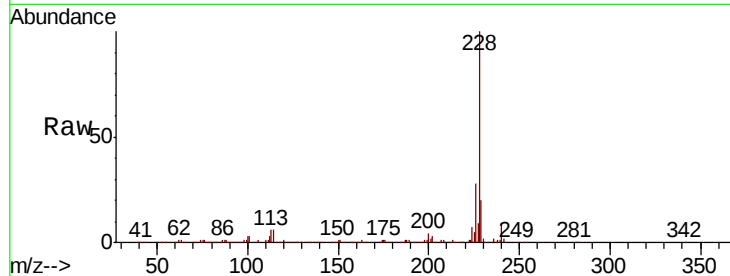
ClientSampled :

R-1MS

Tot Ion:	228	Resp:	874158
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.2	33.4
229	20.5	16.9	25.3

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#82

3,3'-Dichlorobenzidine

Concen: 30.015 ng

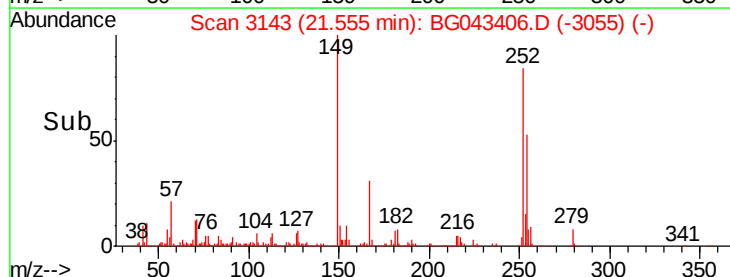
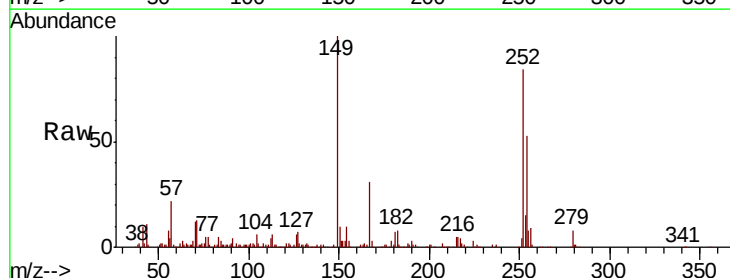
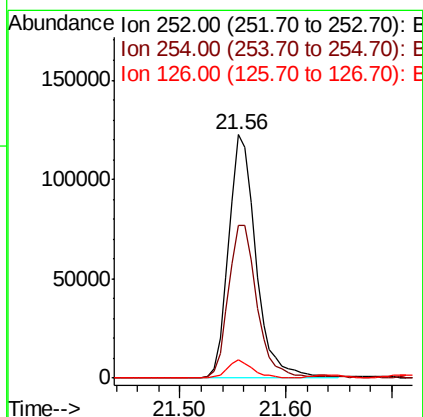
RT: 21.56 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Tgt Ion:	252	Resp:	218854
Ion Ratio	Lower	Upper	
252	100		
254	62.6	52.7	79.1
126	7.5	5.6	8.4





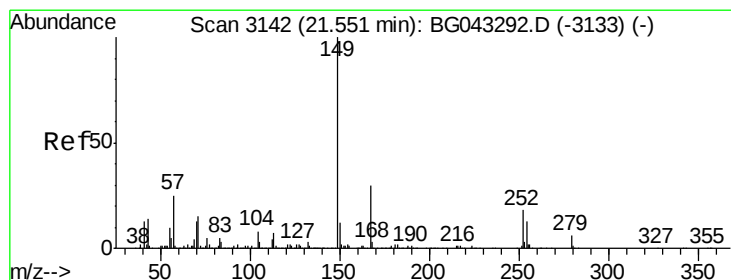
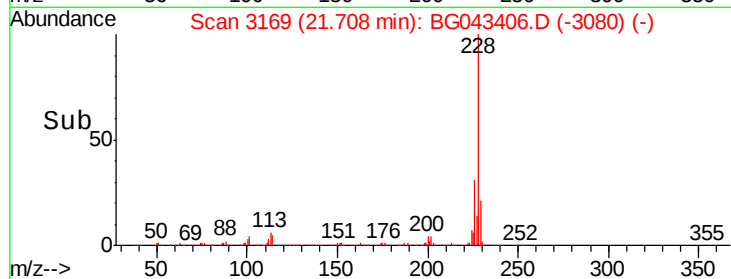
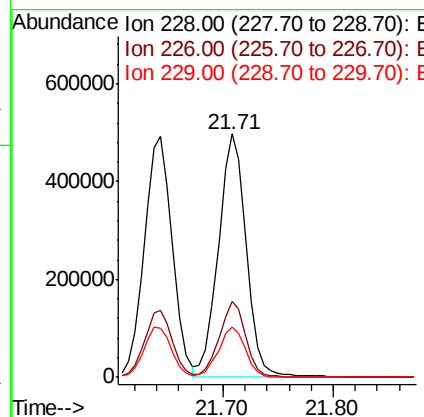
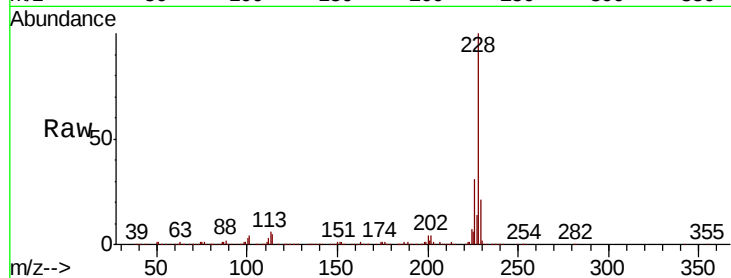
#83
 Chrysene
 Concen: 45.883 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 R-1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.8
229	20.8	16.3	24.5

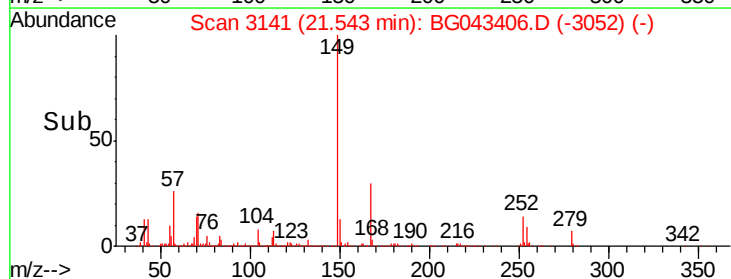
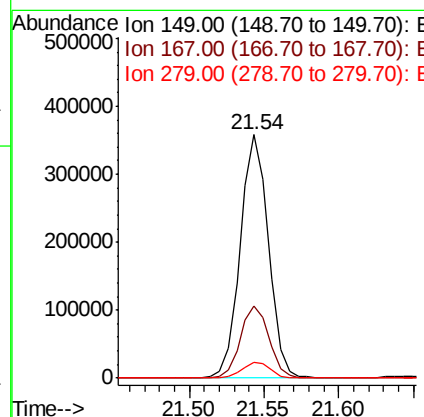
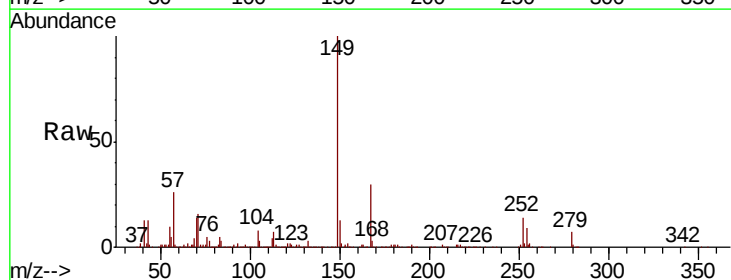
Manual Integrations
 APPROVED

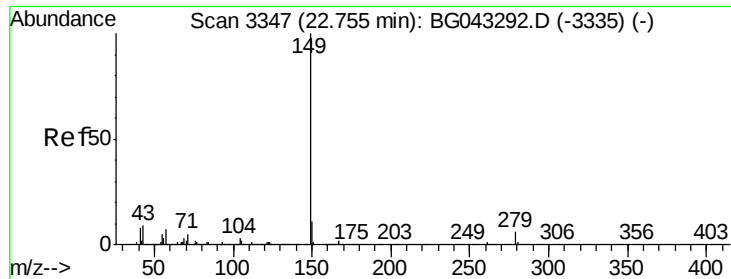
mohammad
 10/31/2019 2:51:55 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.607 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG043406.D
 Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.9	35.9
279	6.7	4.8	7.2





#85

Di-n-octyl phthalate

Concen: 47.253 ng

RT: 22.74 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BG043406.D

Acq: 30 Oct 2019 18:37

Instrument :

BNA_G

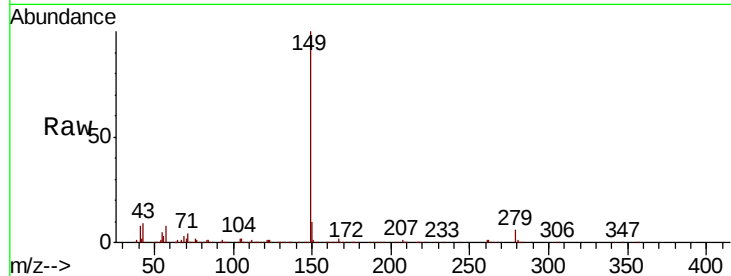
ClientSampleId :

R-IMS

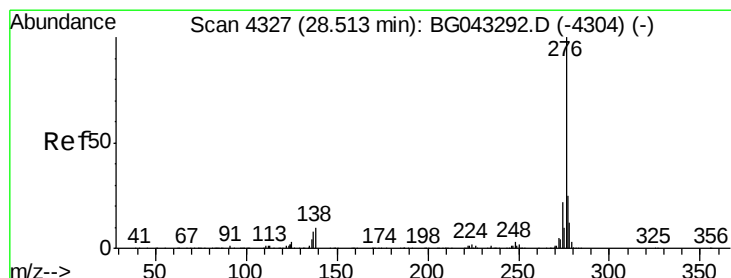
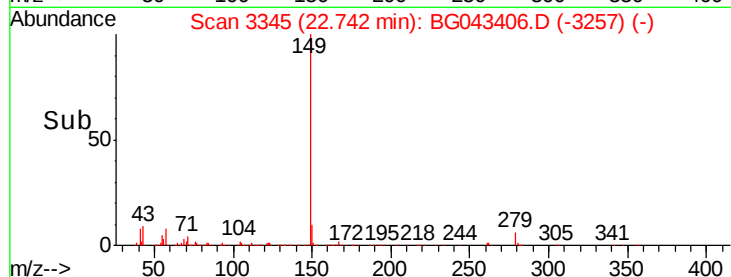
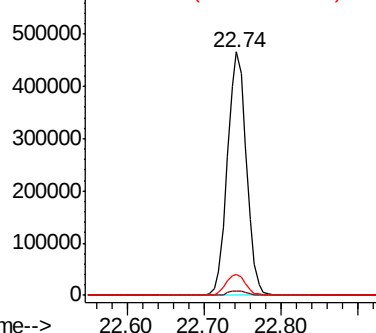
Tot Ion:	149	Resp:	803748
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.7	6.9	10.3

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 48.371 ng

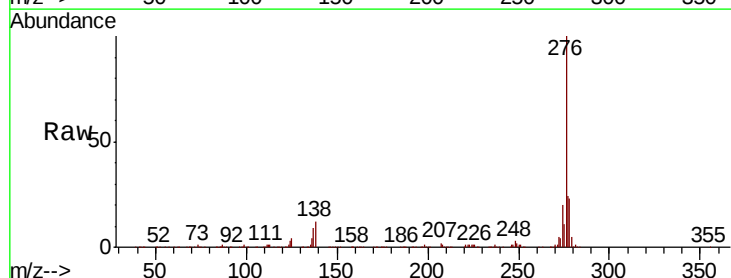
RT: 28.51 min Scan# 4326

Delta R.T. -0.01 min

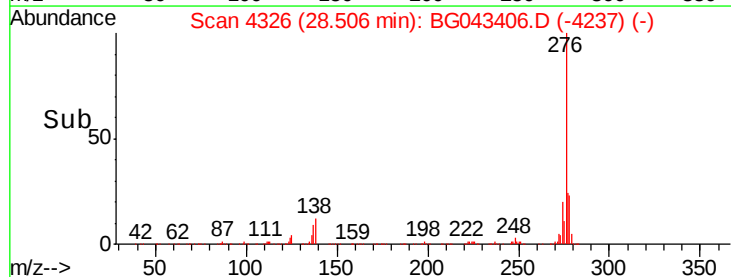
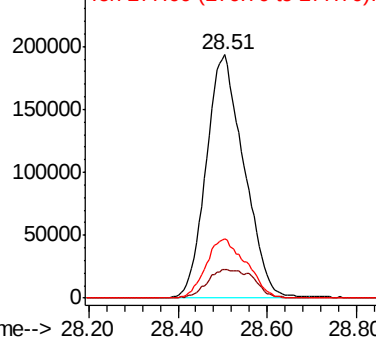
Lab File: BG043406.D

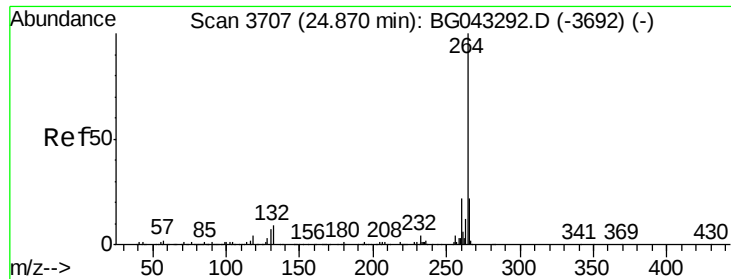
Acq: 30 Oct 2019 18:37

Tgt Ion:	276	Resp:	1137283
Ion Ratio	Lower	Upper	
276	100		
138	10.5	7.2	10.8
277	26.0	20.9	31.3



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





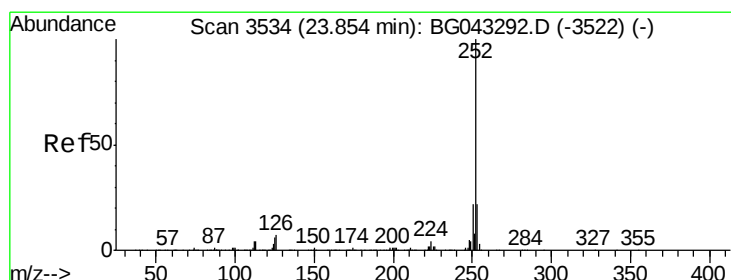
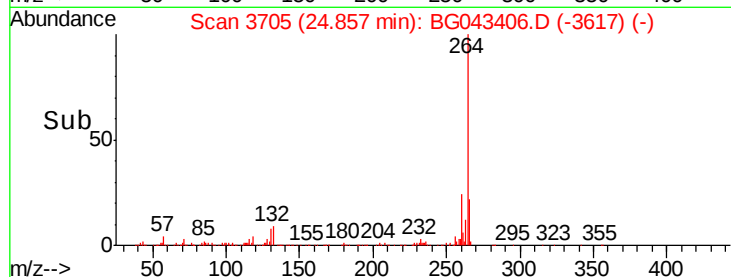
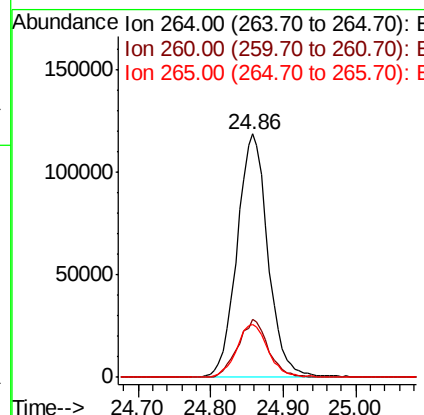
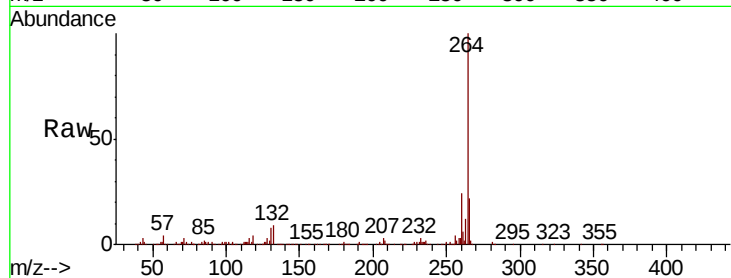
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.9	26.9
265	21.8	17.4	26.2

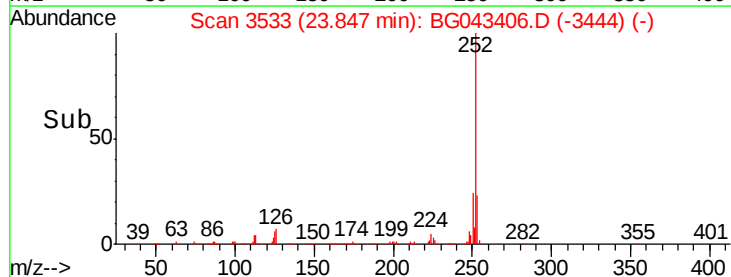
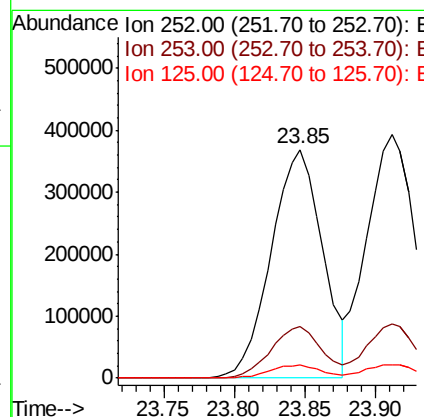
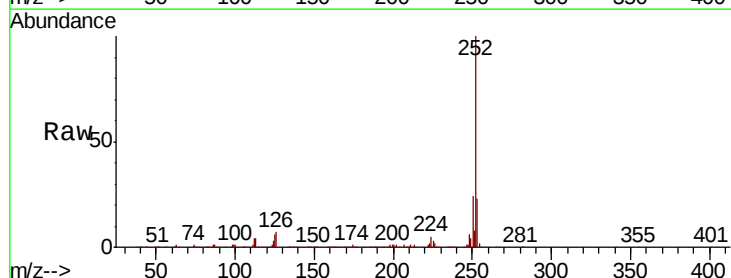
Manual Integrations
APPROVED

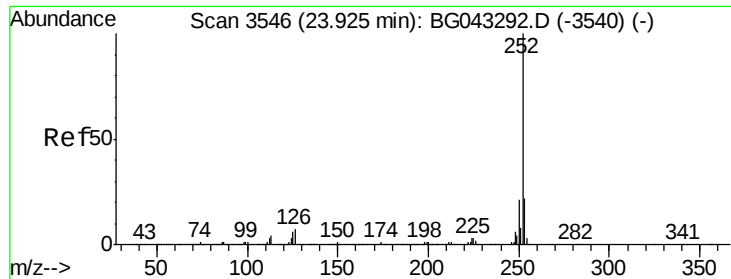
mohammad
10/31/2019 2:51:55 PM



#88
Benzo(b)fluoranthene
Concen: 47.008 ng
RT: 23.85 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	5.6	5.0	7.6





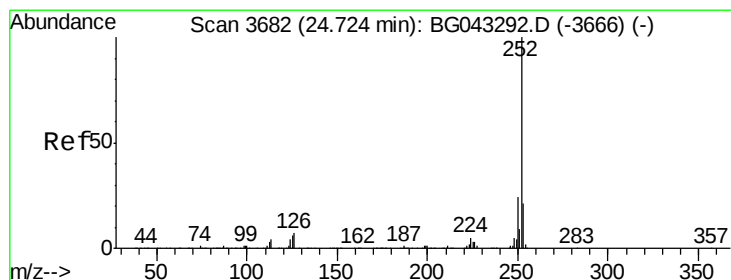
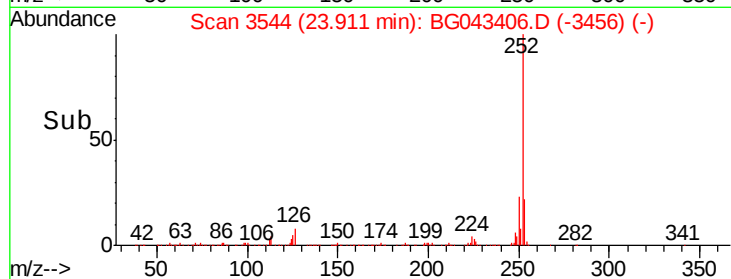
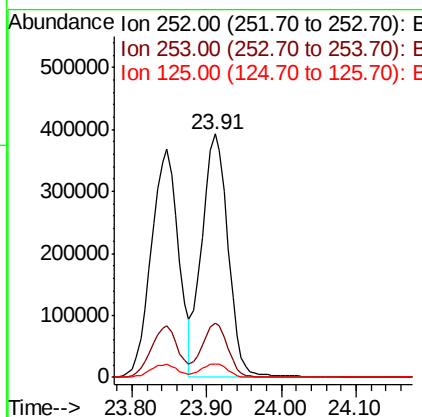
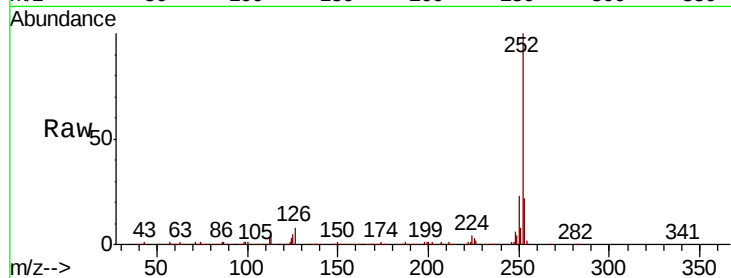
#89
Benzo(k)fluoranthene
Concen: 47.663 ng
RT: 23.91 min Scan# 3544
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampled :
R-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	5.4	4.5	6.7

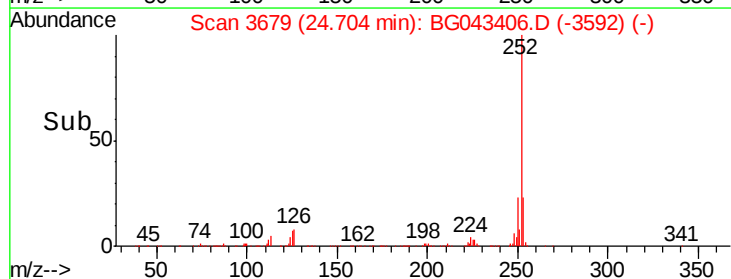
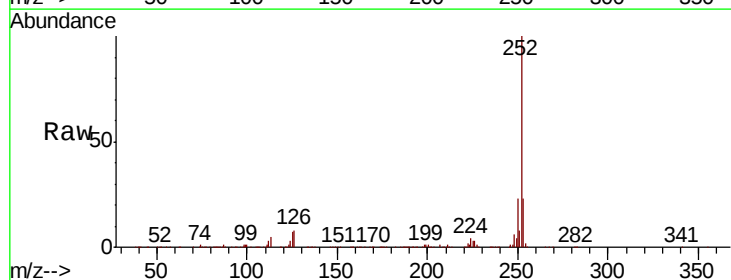
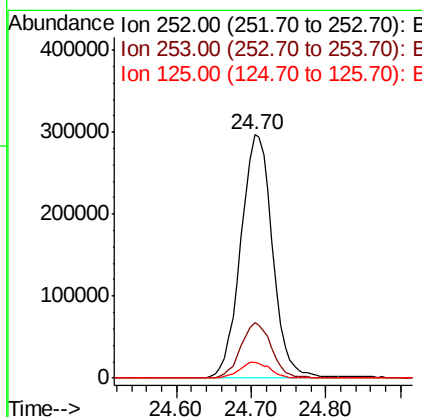
Manual Integrations
APPROVED

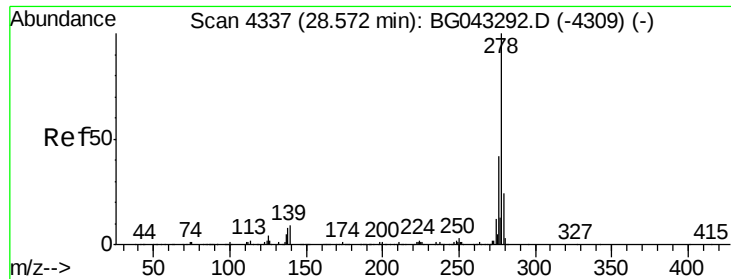
mohammad
10/31/2019 2:51:55 PM



#90
Benzo(a)pyrene
Concen: 46.198 ng
RT: 24.70 min Scan# 3679
Delta R.T. -0.02 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	6.7	5.0	7.6





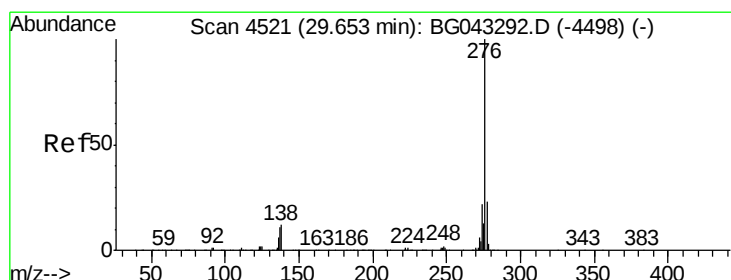
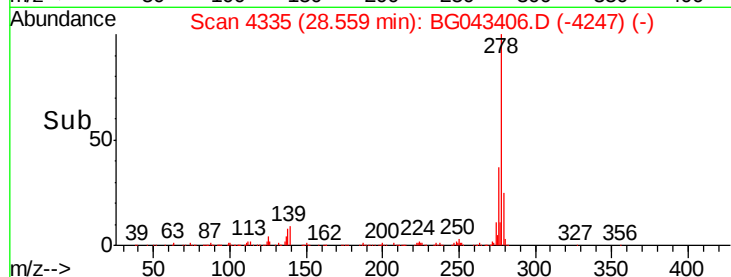
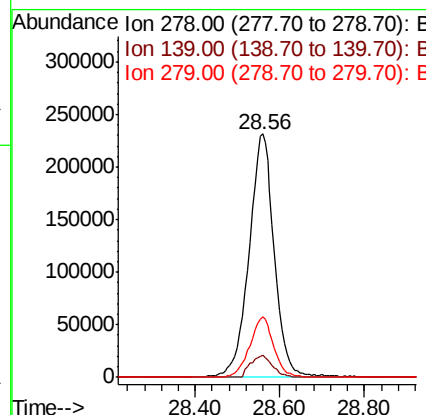
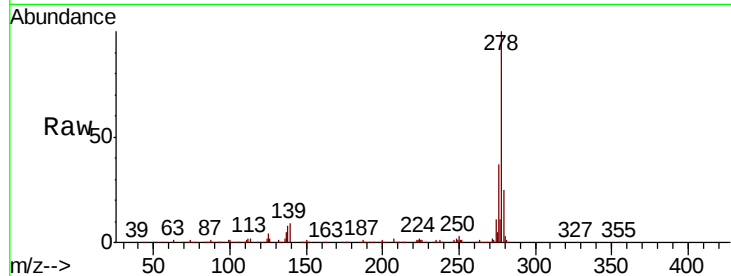
#91
Dibenzo(a,h)anthracene
Concen: 49.497 ng
RT: 28.56 min Scan# 4335
Delta R.T. -0.01 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Instrument :
BNA_G
ClientSampleId :
R-1MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.2	6.8	10.2
279	24.7	19.0	28.6

Manual Integrations
APPROVED

mohammad
10/31/2019 2:51:55 PM



#92
Benzo(g,h,i)perylene
Concen: 49.814 ng
RT: 29.63 min Scan# 4518
Delta R.T. -0.02 min
Lab File: BG043406.D
Acq: 30 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.3	27.5
138	11.8	9.3	13.9

