

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043237.D
 Acq On : 16 Oct 2019 4:56
 Operator : JU
 Sample : K5148-08MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

Manual Integrations
 APPROVED

mohammad
 10/17/2019 7:57:37 AM

Quant Time: Oct 16 08:23:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56822	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	213865	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	146766	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	319452	20.00	ng	0.00
76) Chrysene-d12	21.70	240	340487	20.00	ng	0.00
87) Perylene-d12	24.93	264	407556	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	432341	135.79	ng	0.00
7) Phenol-d6	7.23	99	611421	133.35	ng	0.00
23) Nitrobenzene-d5	9.22	82	377123	85.71	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	366407	145.18	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	989426	97.73	ng	0.00
79) Terphenyl-d14	20.03	244	1676747	104.94	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.54	88	44639	33.627	ng	# 58
3) Pyridine	3.95	79	90060	24.121	ng	86
4) n-Nitrosodimethylamine	3.85	42	69667	38.801	ng	# 78
6) Aniline	7.38	93	57801	10.443	ng	98
8) 2-Chlorophenol	7.62	128	167434	50.425	ng	94
9) Benzaldehyde	7.20	77	31039	11.078	ng	85
10) Phenol	7.26	94	197516	46.953	ng	94
11) bis(2-Chloroethyl)ether	7.47	93	145482	44.697	ng	94
12) 1,3-Dichlorobenzene	7.94	146	180212	42.544	ng	98
13) 1,4-Dichlorobenzene	8.09	146	190948	45.220	ng	98
14) 1,2-Dichlorobenzene	8.41	146	178841	44.486	ng	94
15) Benzyl Alcohol	8.29	79	147410	42.762	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.58	45	201963	32.310	ng	91
17) 2-Methylphenol	8.51	107	141187	47.966	ng	95
18) Hexachloroethane	9.14	117	65470	41.168	ng	91
19) n-Nitroso-di-n-propylamine	8.86	70	125197	41.584	ng	91
20) 3+4-Methylphenols	8.84	107	194140	48.129	ng	96
22) Acetophenone	8.88	105	246242	44.668	ng	# 95
24) Nitrobenzene	9.26	77	191416	45.608	ng	96
25) Isophorone	9.78	82	349768	45.255	ng	98
26) 2-Nitrophenol	9.97	139	97447	54.542	ng	95
27) 2,4-Dimethylphenol	10.03	122	155133	56.540	ng	96
28) bis(2-Chloroethoxy)methane	10.26	93	195706	44.630	ng	98
29) 2,4-Dichlorophenol	10.52	162	180962	53.030	ng	94
30) 1,2,4-Trichlorobenzene	10.72	180	199627	45.300	ng	96
31) Naphthalene	10.91	128	524398	49.811	ng	99
32) Benzoic acid	10.20	122	86464	41.682	ng	96
33) 4-Chloroaniline	11.04	127	23489	5.142	ng	# 89
34) Hexachlorobutadiene	11.20	225	144175	43.695	ng	97
35) Caprolactam	11.80	113	52525m	43.647	ng	
36) 4-Chloro-3-methylphenol	12.15	107	195584	52.714	ng	98
37) 2-Methylnaphthalene	12.51	142	396602	49.382	ng	95
38) 1-Methylnaphthalene	12.73	142	375133	49.363	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	263522	47.754	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043237.D
 Acq On : 16 Oct 2019 4:56
 Operator : JU
 Sample : K5148-08MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

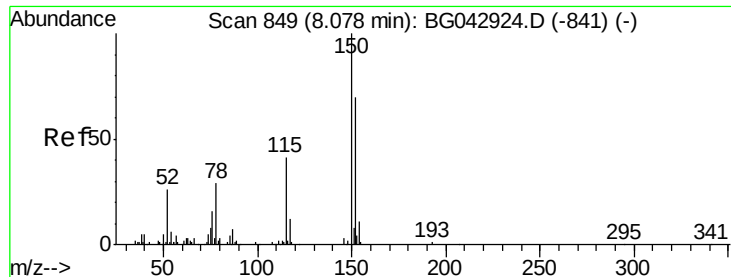
Manual Integrations
 APPROVED

mohammad
 10/17/2019 7:57:37 AM

Quant Time: Oct 16 08:23:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	156928	44.632	ng	94
43) 2,4,6-Trichlorophenol	13.12	196	170933	52.922	ng	98
44) 2,4,5-Trichlorophenol	13.20	196	176847	53.151	ng	97
46) 1,1'-Biphenyl	13.51	154	535768	48.138	ng	98
47) 2-Chloronaphthalene	13.56	162	420462	50.387	ng	99
48) 2-Nitroaniline	13.76	65	123496	44.503	ng	89
49) Acenaphthylene	14.41	152	661591	51.814	ng	98
50) Dimethylphthalate	14.13	163	522473	47.512	ng	99
51) 2,6-Dinitrotoluene	14.25	165	122717	52.403	ng	90
52) Acenaphthene	14.75	154	397080	46.460	ng	95
53) 3-Nitroaniline	14.59	138	51138	21.130	ng	# 92
54) 2,4-Dinitrophenol	14.79	184	51602	35.450	ng	91
55) Dibenzofuran	15.08	168	647245	51.194	ng	99
56) 4-Nitrophenol	14.91	139	181920	98.655	ng	94
57) 2,4-Dinitrotoluene	15.04	165	169538	49.437	ng	89
58) Fluorene	15.73	166	536855	49.737	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.31	232	177018m	49.967	ng	
60) Diethylphthalate	15.49	149	518326	46.315	ng	99
61) 4-Chlorophenyl-phenylether	15.72	204	313170	48.377	ng	97
62) 4-Nitroaniline	15.75	138	103399	39.174	ng	96
63) Azobenzene	16.01	77	448438	44.012	ng	96
65) 4,6-Dinitro-2-methylphenol	15.80	198	45083	24.940	ng	95
66) n-Nitrosodiphenylamine	15.93	169	471550	55.917	ng	98
67) 4-Bromophenyl-phenylether	16.61	248	219748	54.808	ng	98
68) Hexachlorobenzene	16.74	284	238393	53.401	ng	97
69) Atrazine	16.88	200	147873	41.641	ng	97
70) Pentachlorophenol	17.08	266	277723	107.813	ng	99
71) Phenanthrene	17.47	178	823412	52.797	ng	98
72) Anthracene	17.56	178	857075	55.048	ng	100
73) Carbazole	17.83	167	760884	52.700	ng	98
74) Di-n-butylphthalate	18.38	149	883017	51.260	ng	99
75) Fluoranthene	19.48	202	1055544	51.170	ng	98
77) Benzidine	19.67	184	79319	9.304	ng	# 95
78) Pyrene	19.83	202	1070991	52.700	ng	99
80) Butylbenzylphthalate	20.72	149	398738	51.691	ng	98
81) Benzo(a)anthracene	21.68	228	1082870	51.042	ng	98
82) 3,3'-Dichlorobenzidine	21.60	252	272735	32.777	ng	97
83) Chrysene	21.75	228	1060432	51.507	ng	99
84) Bis(2-ethylhexyl)phthalate	21.58	149	581933	53.017	ng	98
85) Di-n-octyl phthalate	22.79	149	991159	55.222	ng	95
86) Indeno(1,2,3-cd)pyrene	28.61	276	1334472	52.066	ng	# 96
88) Benzo(b)fluoranthene	23.91	252	1147420	49.757	ng	100
89) Benzo(k)fluoranthene	23.97	252	1191241	52.217	ng	99
90) Benzo(a)pyrene	24.78	252	1146712	52.706	ng	100
91) Dibenzo(a,h)anthracene	28.67	278	1139242	51.065	ng	98
92) Benzo(g,h,i)perylene	29.75	276	1006742	46.573	ng	98

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



#1

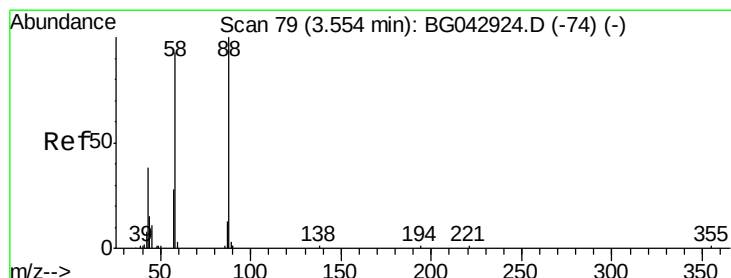
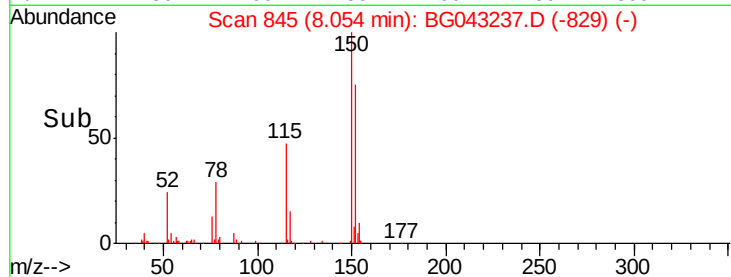
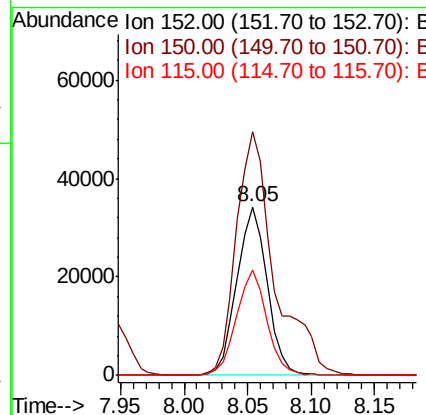
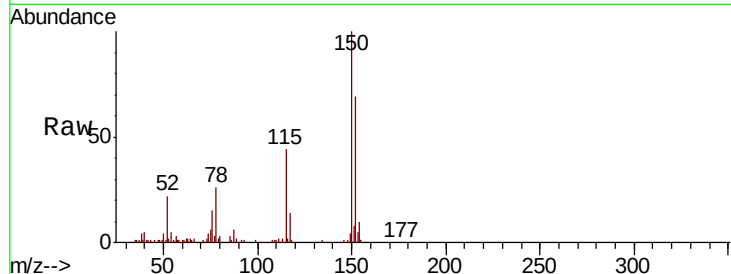
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.8	115.0	172.4
115	63.0	47.0	70.6

Manual Integrations
APPROVED

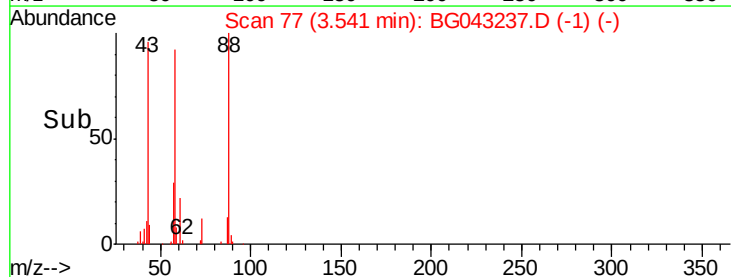
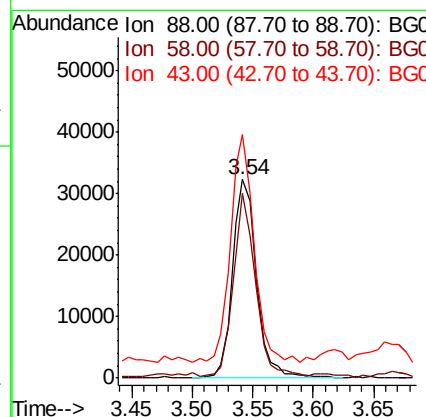
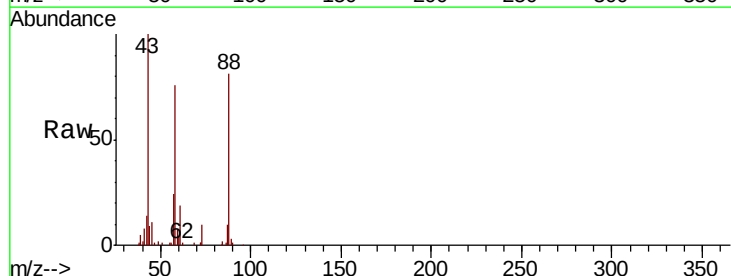
mohammad
10/17/2019 7:57:37 AM

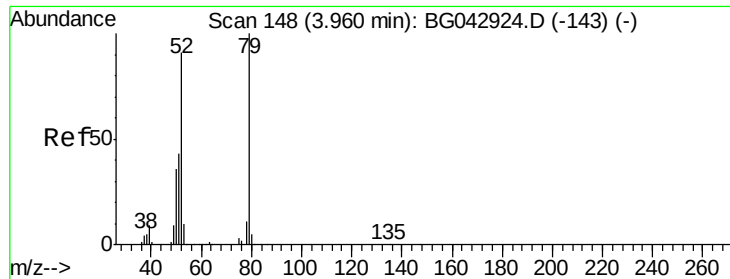


#2

1,4-Dioxane
Concen: 33.627 ng
RT: 3.54 min Scan# 77
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.6	74.3	111.5
43	110.9	29.8	44.8#





#3

Pvridine

Concen: 24.121 ng

RT: 3.95 min Scan# 146

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

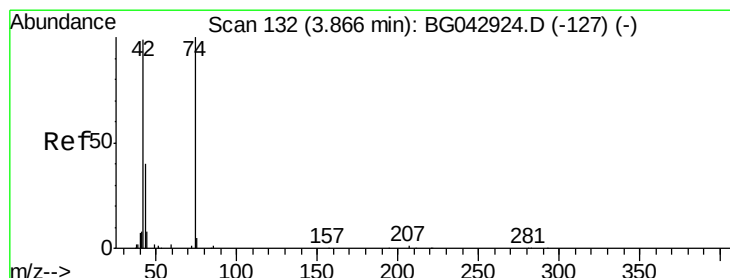
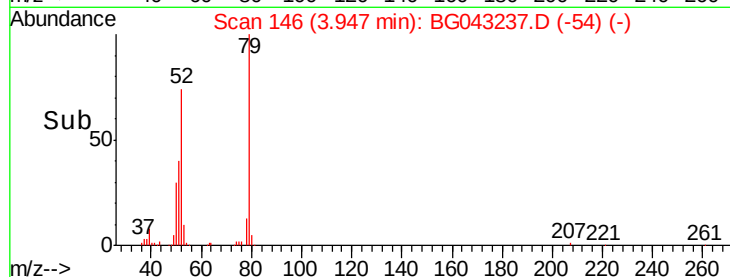
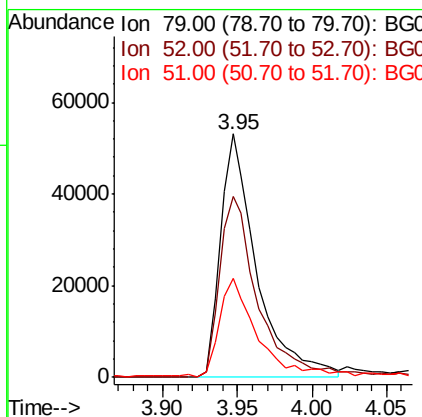
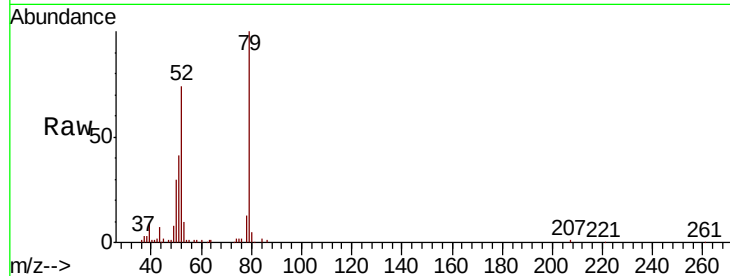
ClientSampleId :

OR-03-101119MS

Tot Ion:	79	Resp:	90060
Ion Ratio	Lower	Upper	
79	100		
52	74.2	73.0	109.4
51	40.6	35.1	52.7

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#4

n-Nitrosodimethylamine

Concen: 38.801 ng

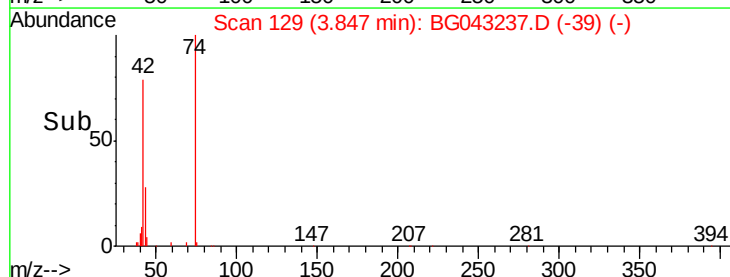
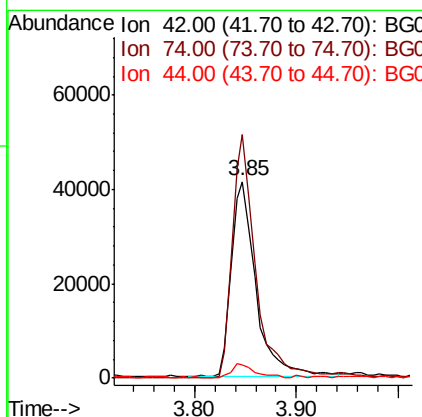
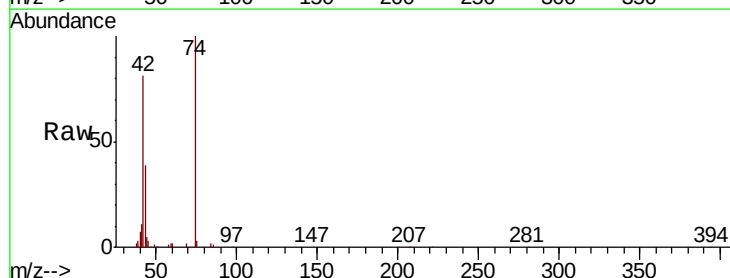
RT: 3.85 min Scan# 129

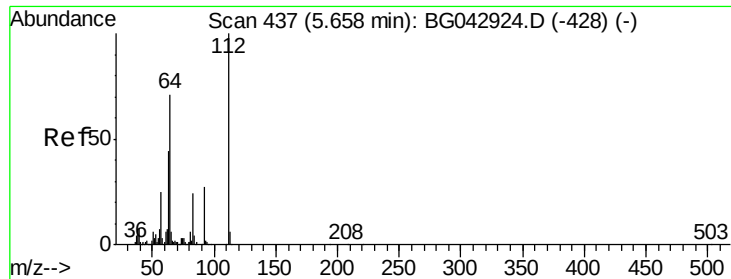
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	42	Resp:	69667
Ion Ratio	Lower	Upper	
42	100		
74	124.0	80.5	120.7#
44	6.6	6.9	10.3#





#5

2-Fluorophenol

Concen: 135.786 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

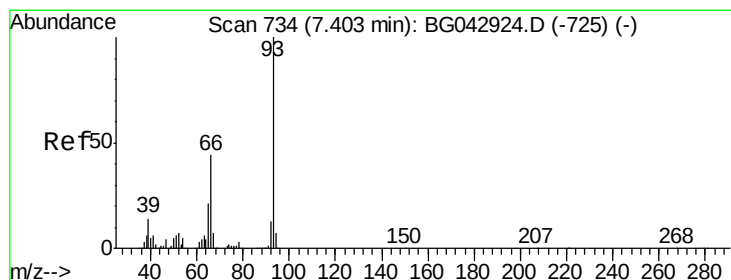
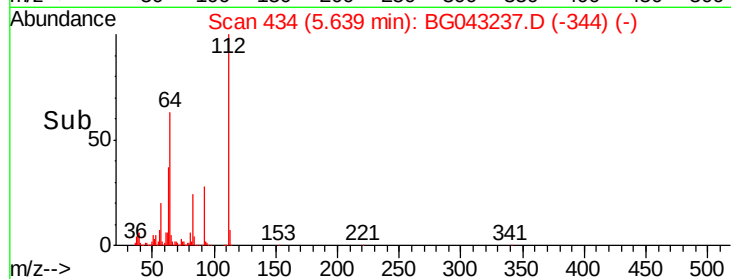
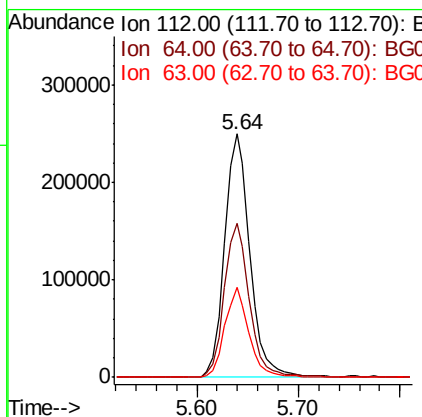
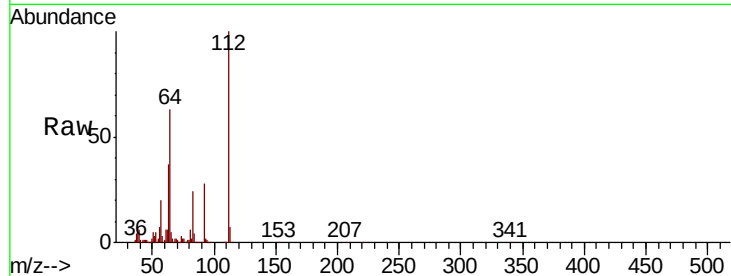
ClientSampleId :

OR-03-101119MS

Tot Ion:	112	Resp:	432341
Ion Ratio	Lower	Upper	
112	100		
64	63.2	56.6	84.8
63	36.8	35.1	52.7

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#6

Aniline

Concen: 10.443 ng

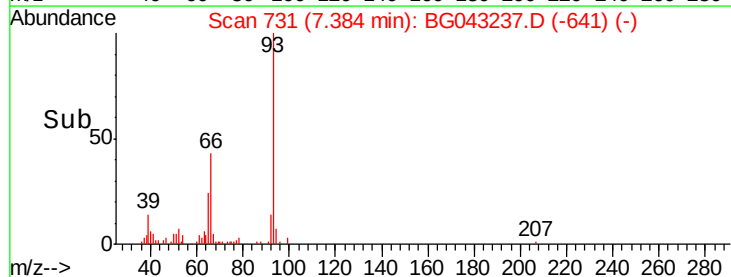
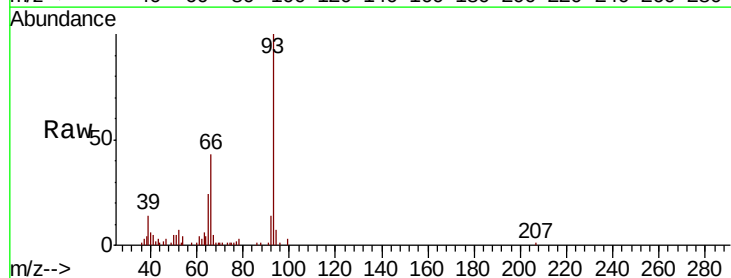
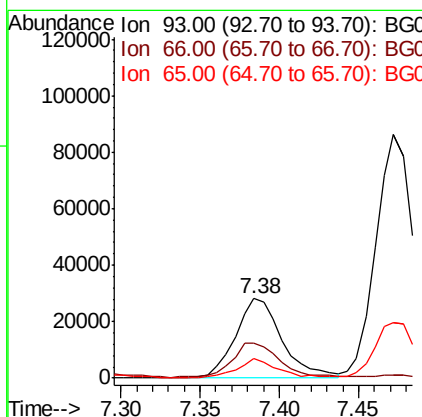
RT: 7.38 min Scan# 731

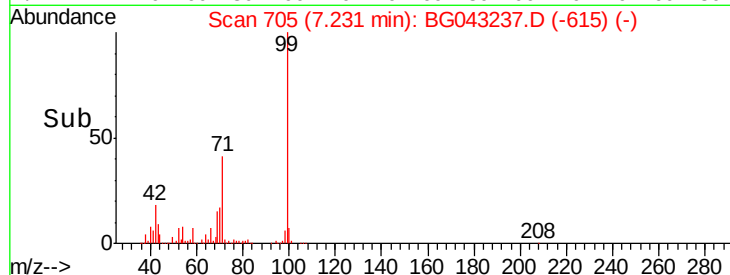
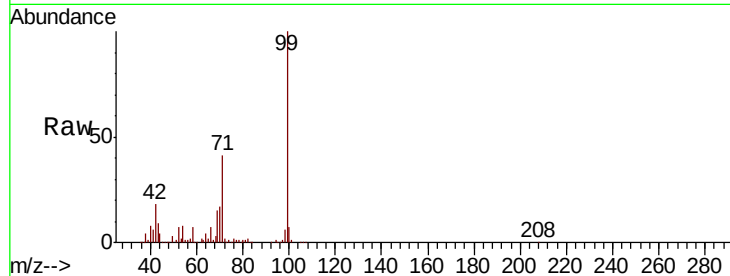
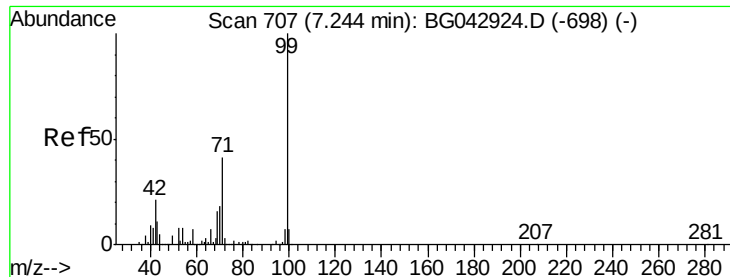
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	93	Resp:	57801
Ion Ratio	Lower	Upper	
93	100		
66	43.2	35.0	52.6
65	23.9	17.4	26.0





#7

Phenol-d6

Concen: 133.349 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tot Ion:	99	Resp:	611421
Ion Ratio	Lower	Upper	
99	100		
42	17.6	17.2	25.8
71	40.7	33.1	49.7

Instrument :

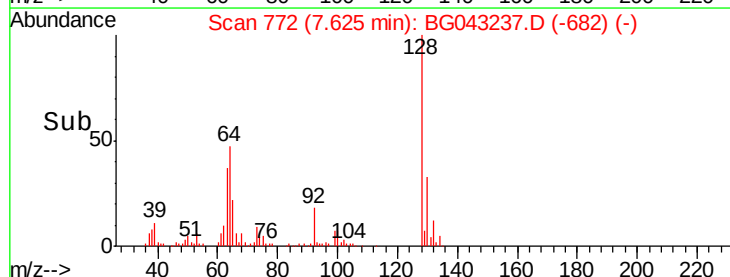
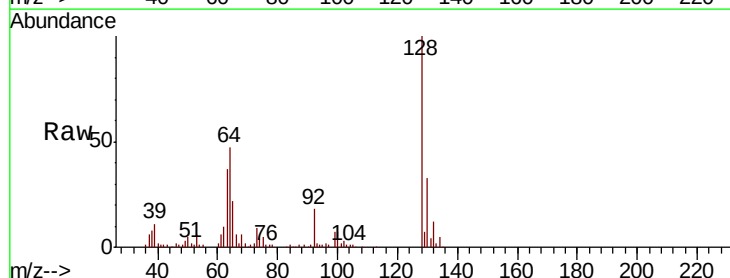
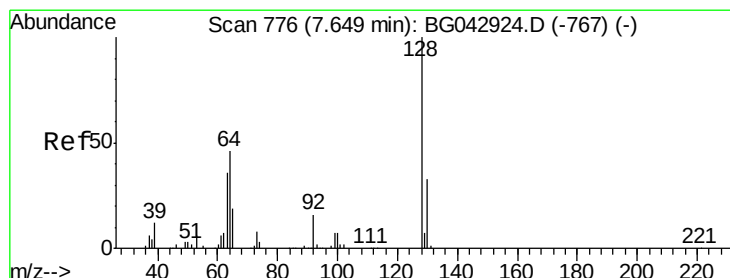
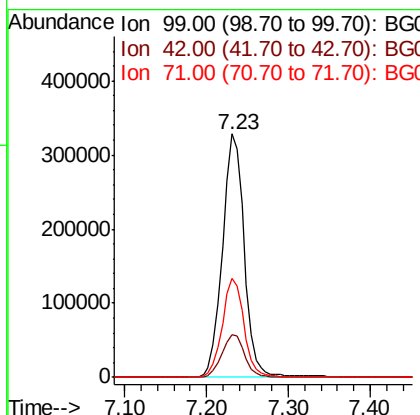
BNA_G

ClientSampleId :

OR-03-101119MS

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#8

2-Chlorophenol

Concen: 50.425 ng

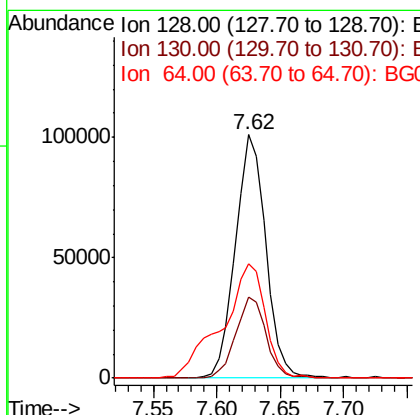
RT: 7.62 min Scan# 772

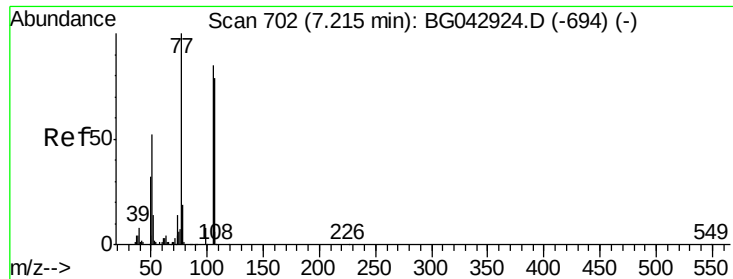
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	128	Resp:	167434
Ion Ratio	Lower	Upper	
128	100		
130	33.4	12.5	52.5
64	46.8	32.8	72.8





#9

Benzaldehyde

Concen: 11.078 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

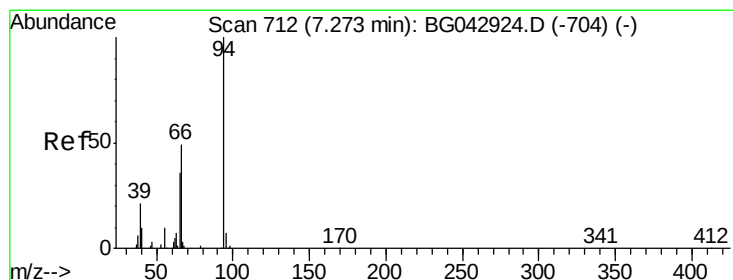
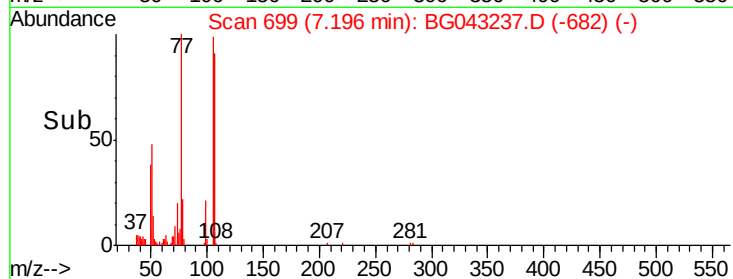
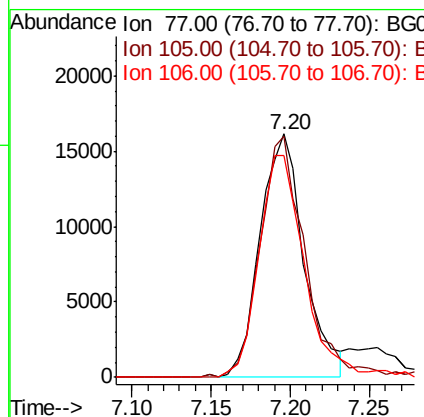
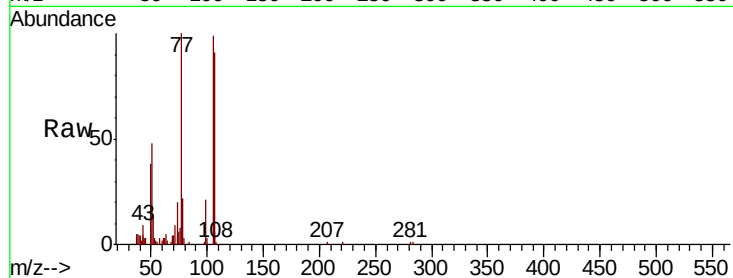
ClientSampleId :

OR-03-101119MS

Tot Ion:	77	Resp:	31039
Ion Ratio	Lower	Upper	
77	100		
105	99.2	64.6	104.6
106	91.0	59.4	99.4

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#10

Phenol

Concen: 46.953 ng

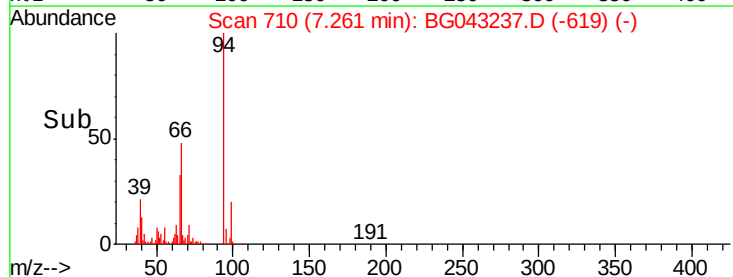
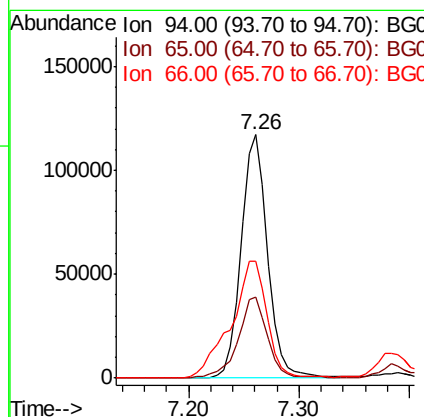
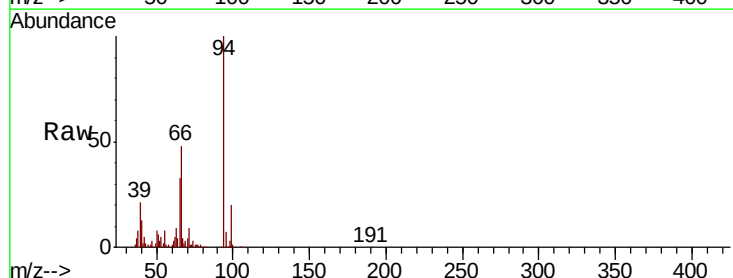
RT: 7.26 min Scan# 710

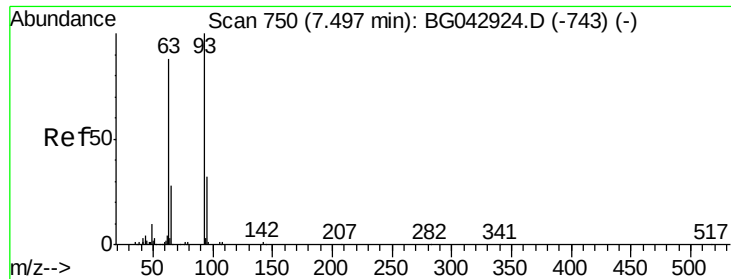
Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	94	Resp:	197516
Ion Ratio	Lower	Upper	
94	100		
65	33.4	16.6	56.6
66	48.2	32.4	72.4





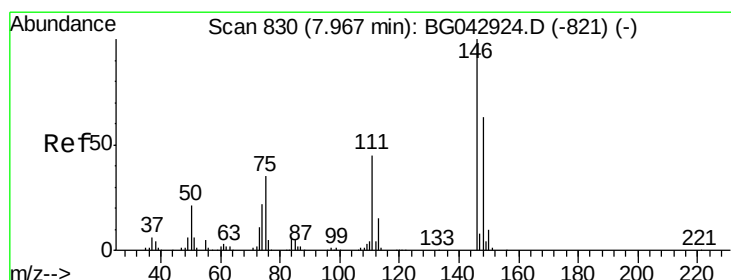
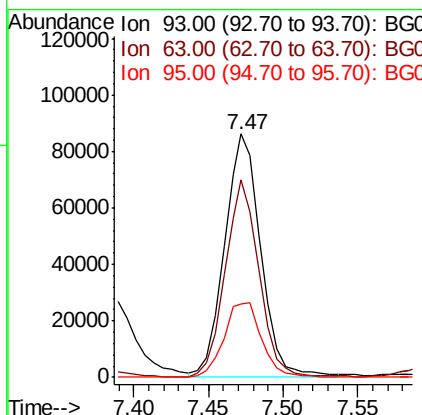
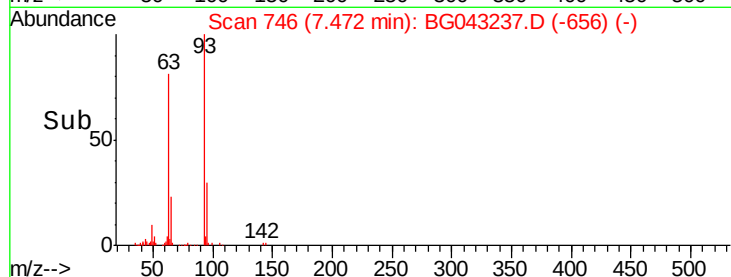
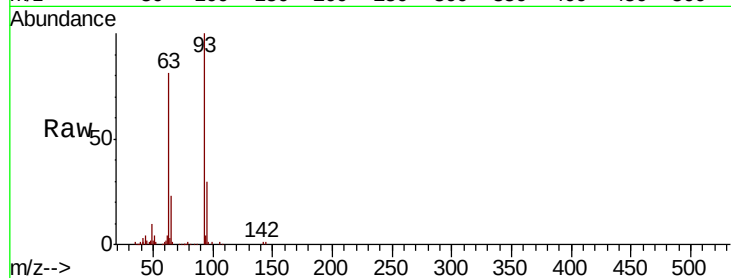
#11
bis(2-Chloroethyl)ether
Concen: 44.697 ng
RT: 7.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	81.2	67.4	107.4
95	30.4	11.9	51.9

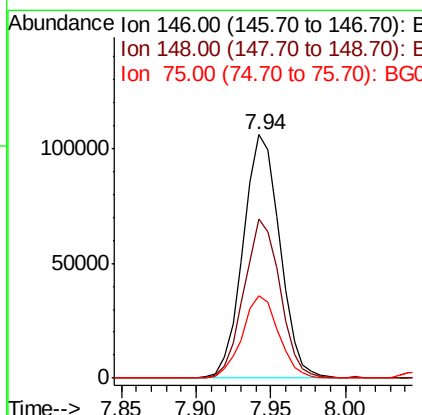
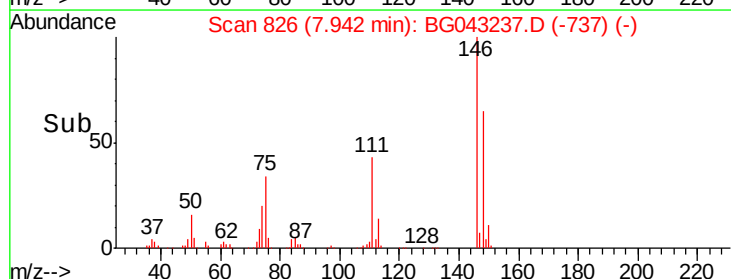
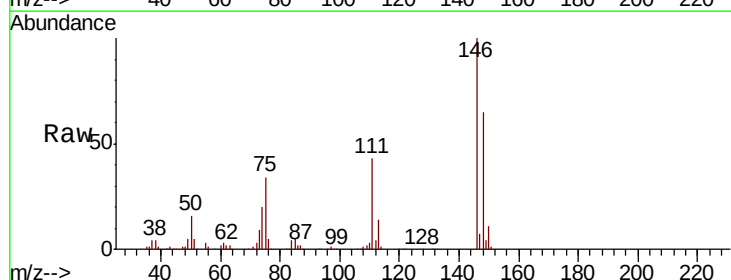
Manual Integrations
APPROVED

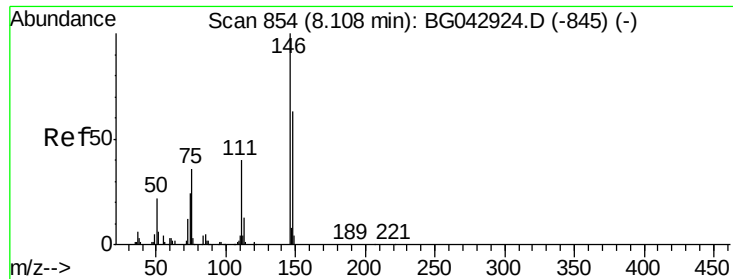
mohammad
10/17/2019 7:57:37 AM



#12
1,3-Dichlorobenzene
Concen: 42.544 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.7	76.1
75	33.6	27.7	41.5





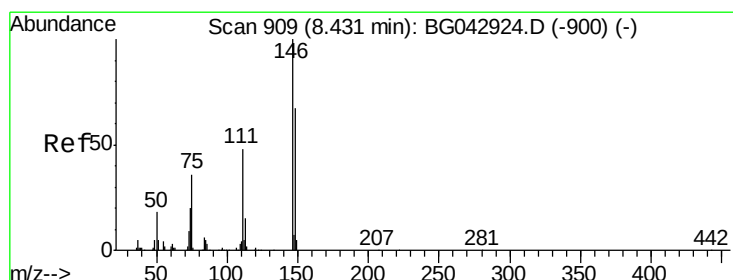
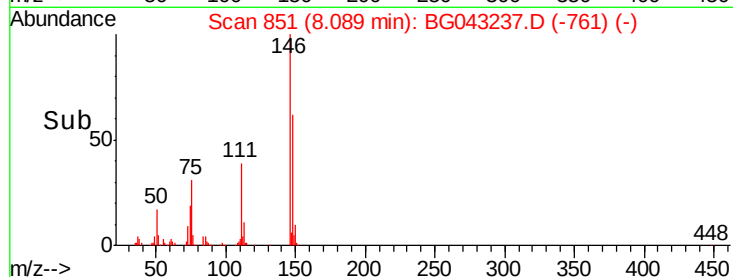
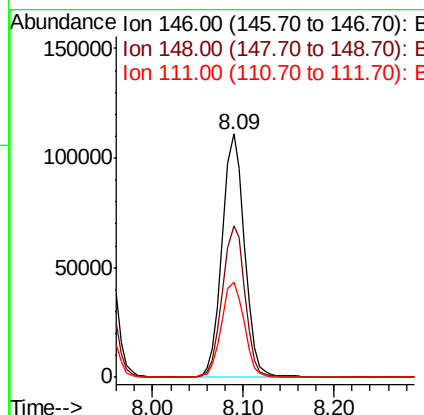
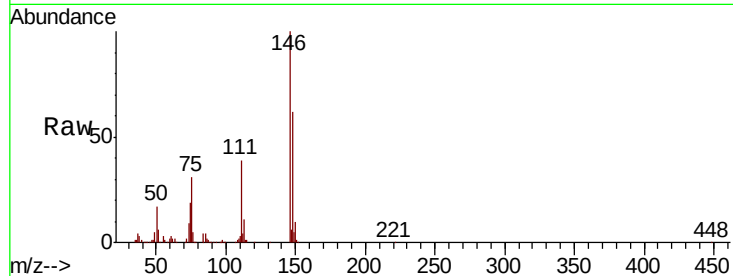
#13
 1,4-Dichlorobenzene
 Concen: 45.220 ng
 RT: 8.09 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.9	76.3
111	38.8	31.8	47.8

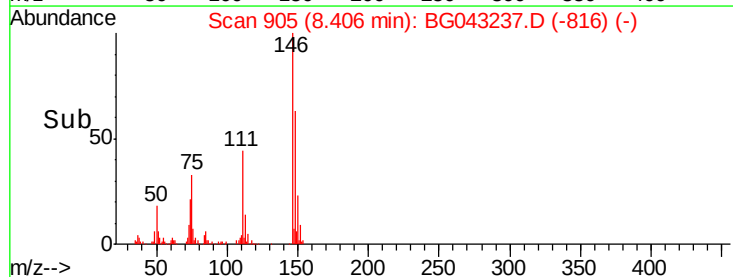
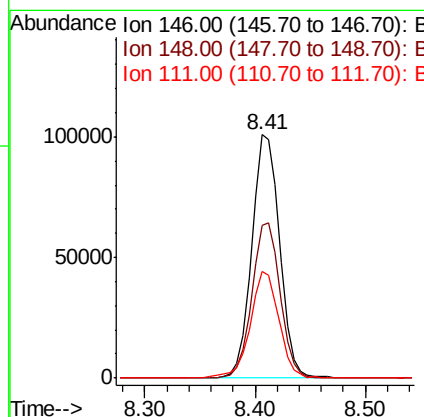
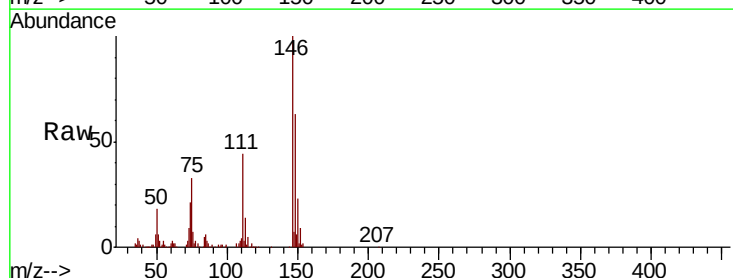
Manual Integrations
 APPROVED

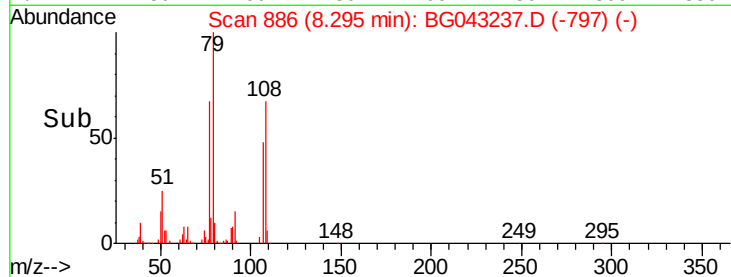
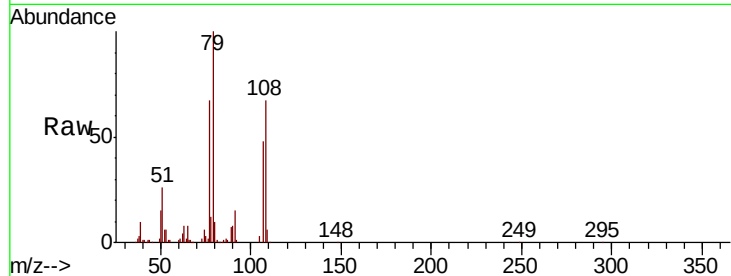
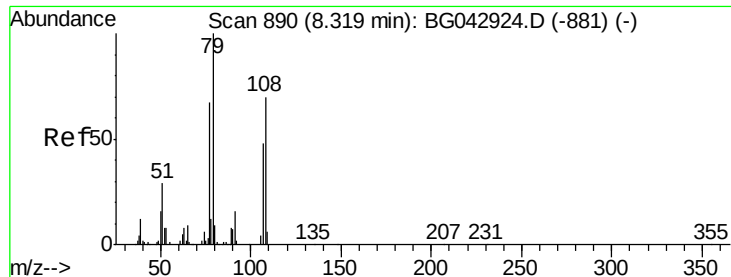
mohammad
 10/17/2019 7:57:37 AM



#14
 1,2-Dichlorobenzene
 Concen: 44.486 ng
 RT: 8.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	53.4	80.2
111	43.8	38.5	57.7





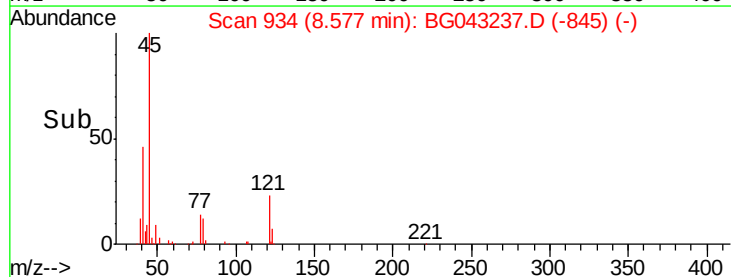
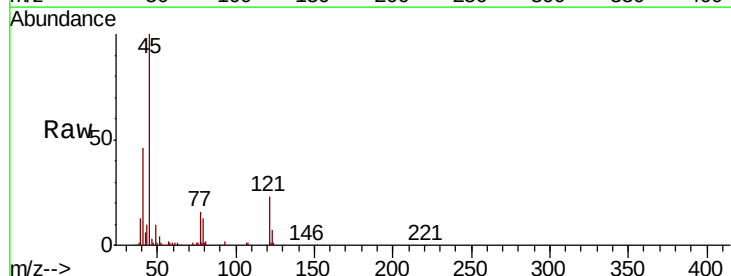
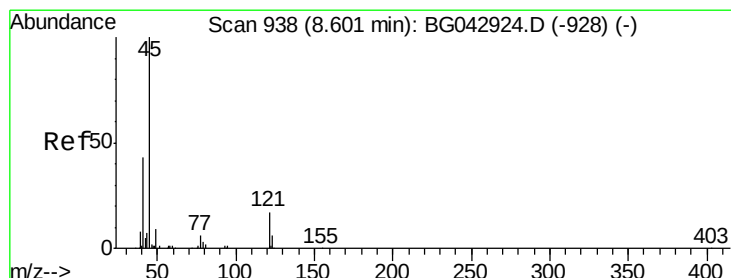
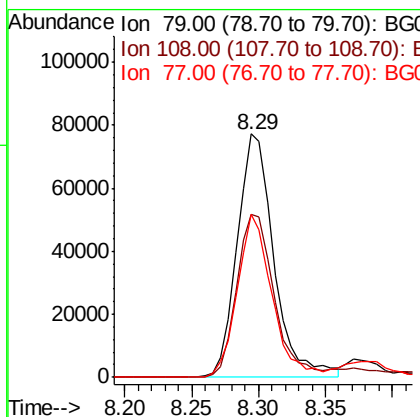
#15
Benzyl Alcohol
Concen: 42.762 ng
RT: 8.29 min Scan# 886
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tot Ion	Ratio	Lower	Upper
79	100		
108	66.8	55.7	83.5
77	66.9	53.3	79.9

Instrument :
BNA_G
ClientSampleID :
OR-03-101119MS

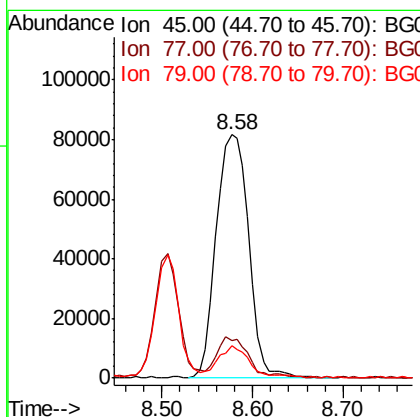
Manual Integrations
APPROVED

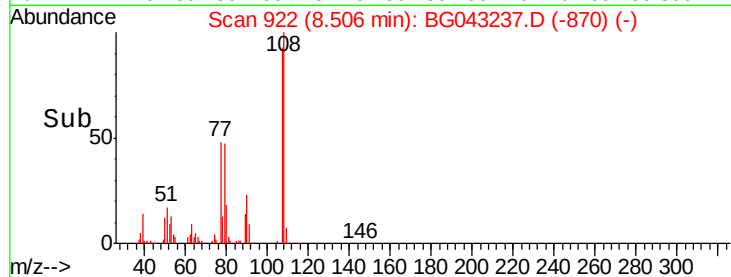
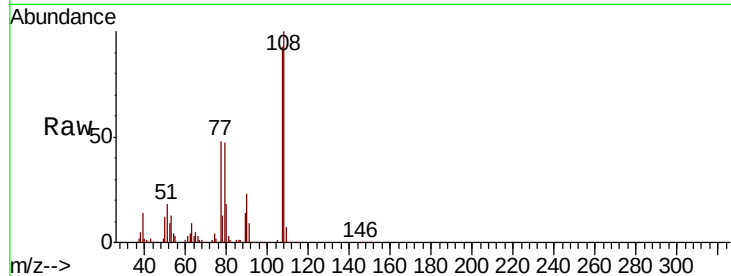
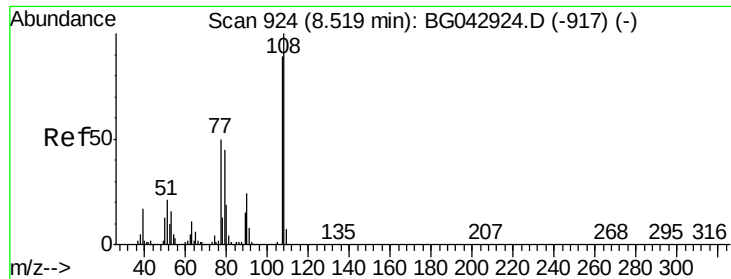
mohammad
10/17/2019 7:57:37 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.310 ng
RT: 8.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

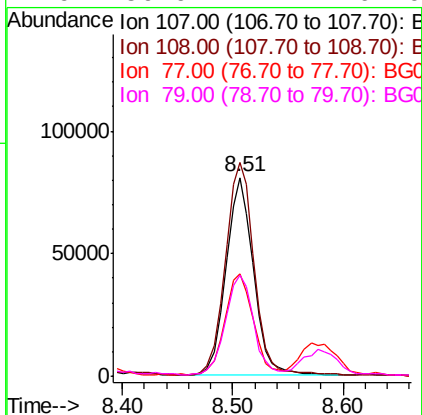
Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	32.8
79	13.4	0.0	29.4





#17
2-Methylphenol
Concen: 47.966 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

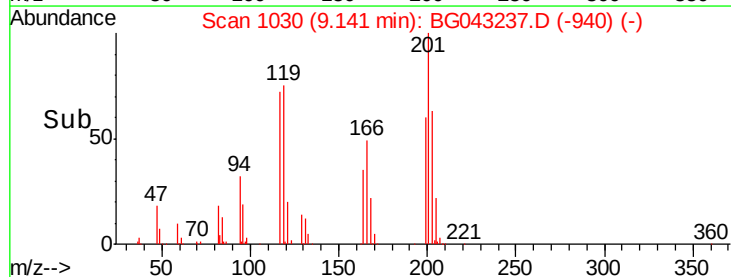
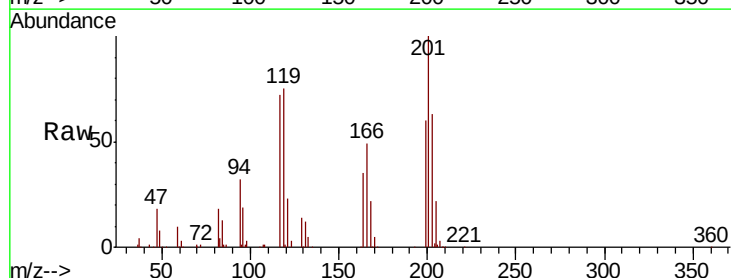
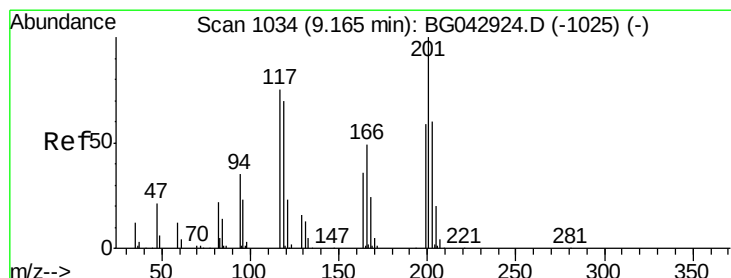
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.4	89.9	134.9	
77	51.3	45.4	68.2	
79	50.9	41.4	62.0	



Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

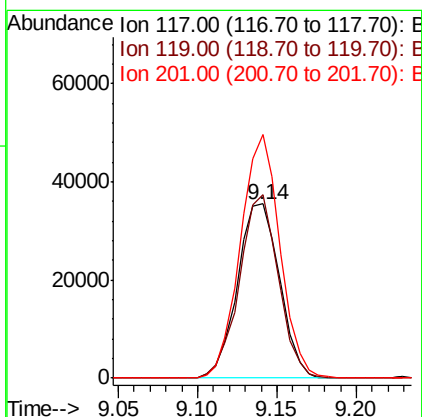
Manual Integrations
APPROVED

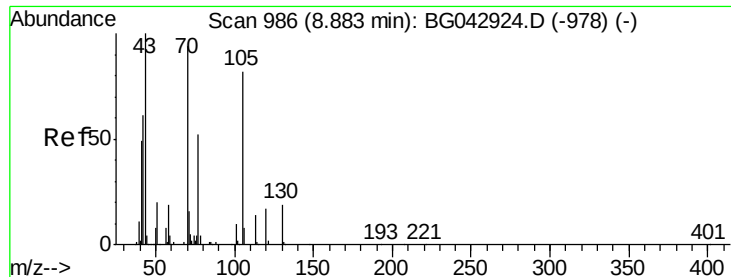
mohammad
10/17/2019 7:57:37 AM



#18
Hexachloroethane
Concen: 41.168 ng
RT: 9.14 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	105.0	74.6	111.8	
201	139.7	106.0	159.0	





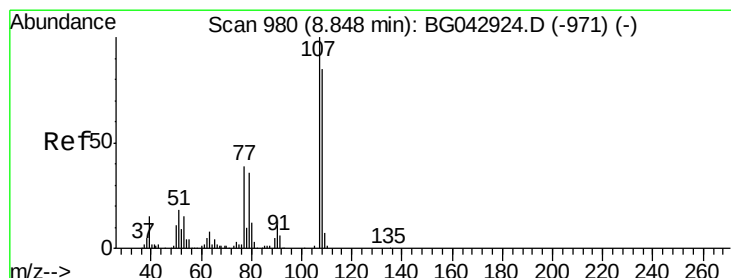
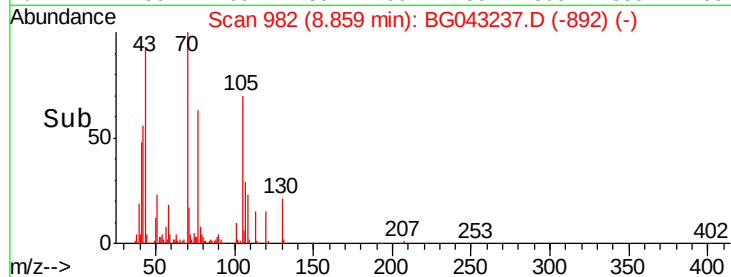
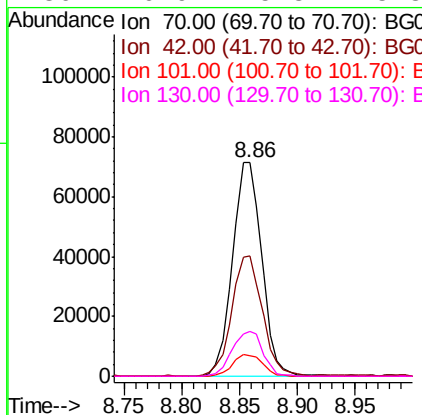
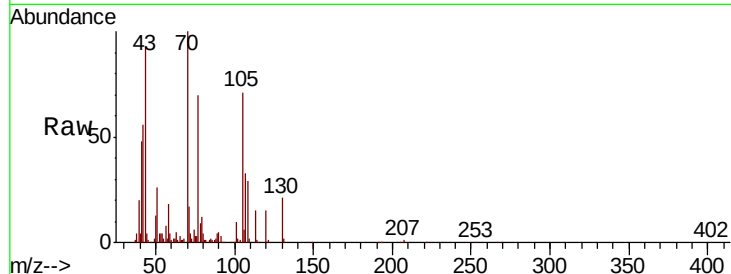
#19
n-Nitroso-di-n-propylamine
Concen: 41.584 ng
RT: 8.86 min Scan# 982
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.3	52.6	79.0	
101	9.5	8.7	13.1	
130	20.9	15.8	23.8	

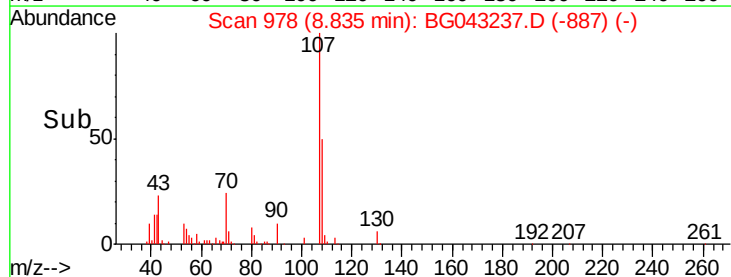
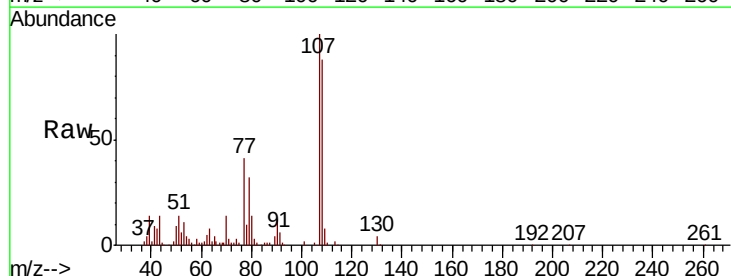
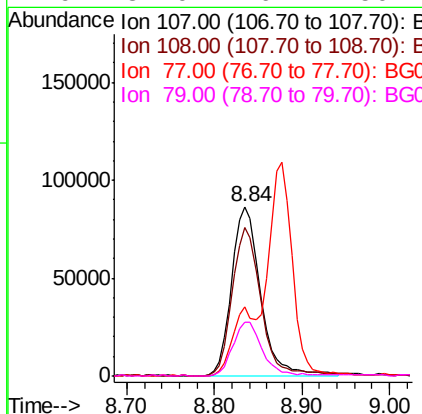
Manual Integrations
APPROVED

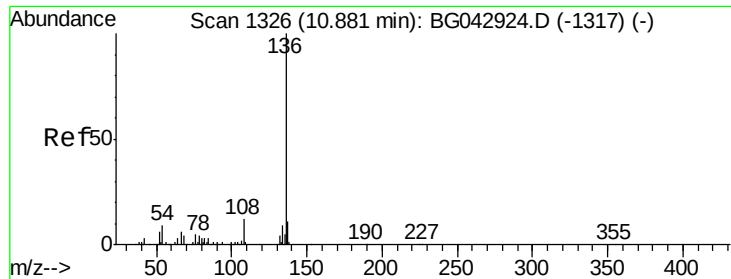
mohammad
10/17/2019 7:57:37 AM



#20
3+4-Methylphenols
Concen: 48.129 ng
RT: 8.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.7	64.9	104.9	
77	40.7	19.4	59.4	
79	32.0	16.2	56.2	





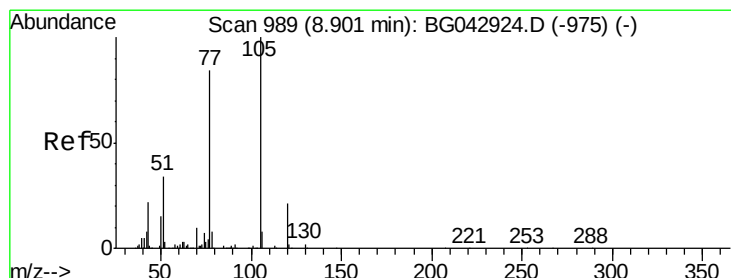
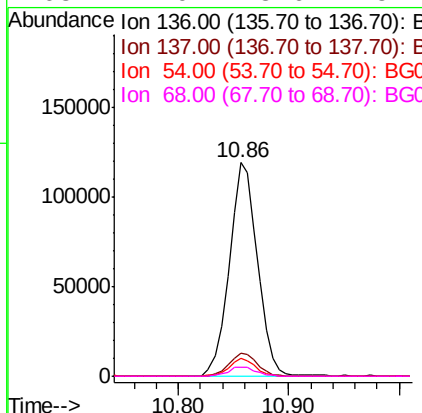
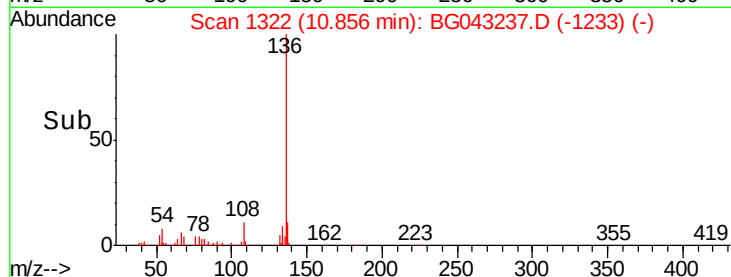
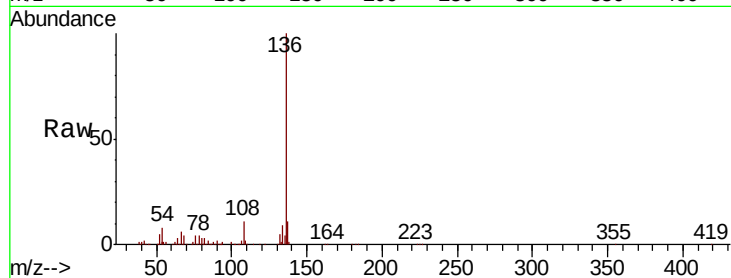
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	213865		
137	10.7		8.5	12.7
54	8.2		7.4	11.2
68	4.0		3.6	5.4

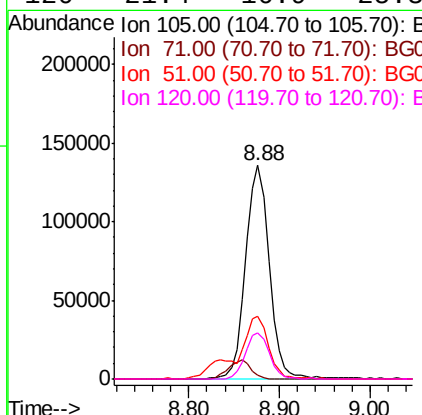
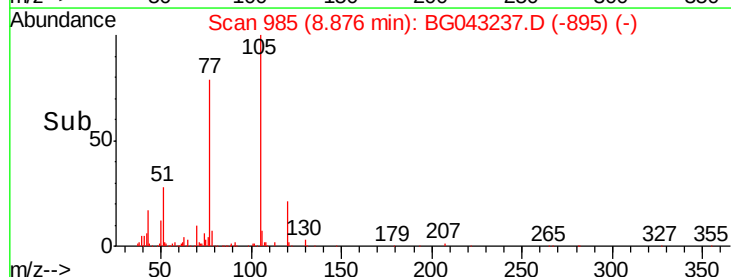
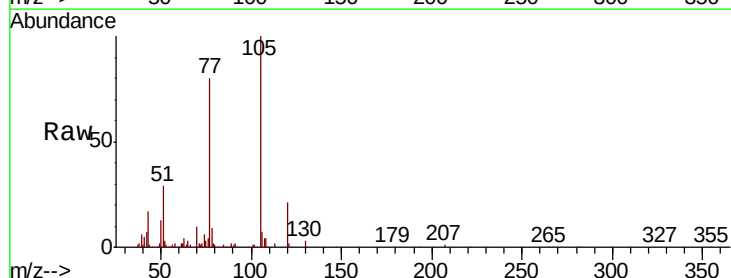
Manual Integrations
APPROVED

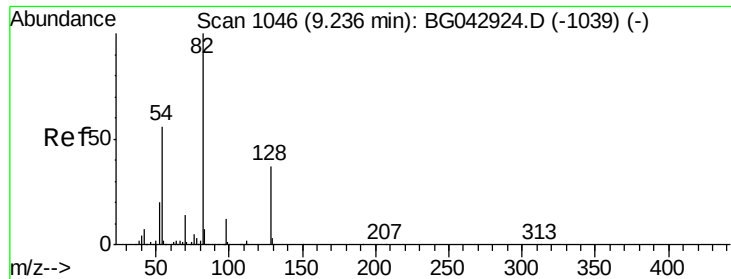
mohammad
10/17/2019 7:57:37 AM



#22
Acetophenone
Concen: 44.668 ng
RT: 8.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246242		
71	1.9		1.2	1.8#
51	29.1		27.2	40.8
120	21.4		16.9	25.3





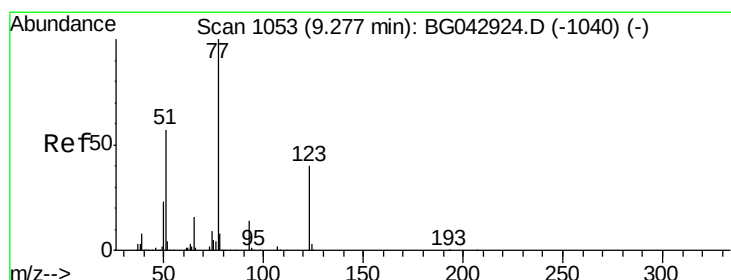
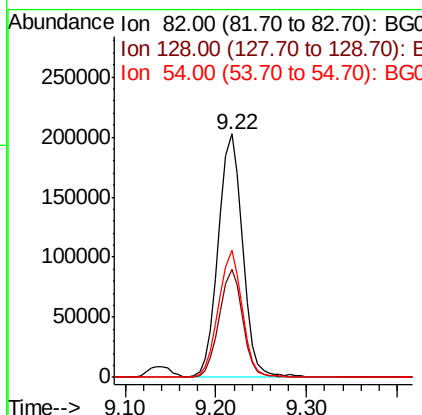
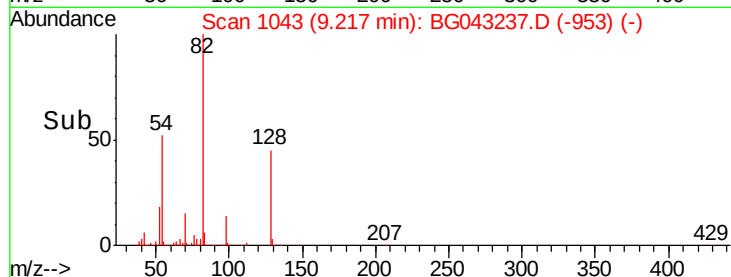
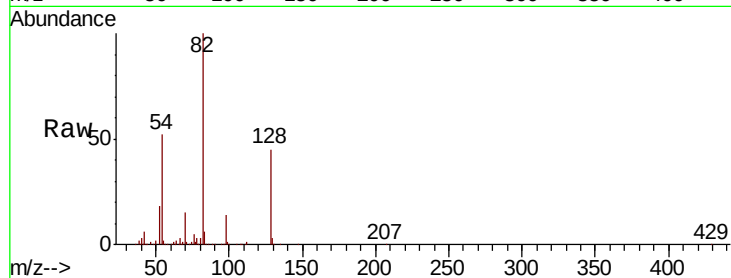
#23
 Nitrobenzene-d5
 Concen: 85.709 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	29.5	44.3#
54	52.3	44.6	67.0

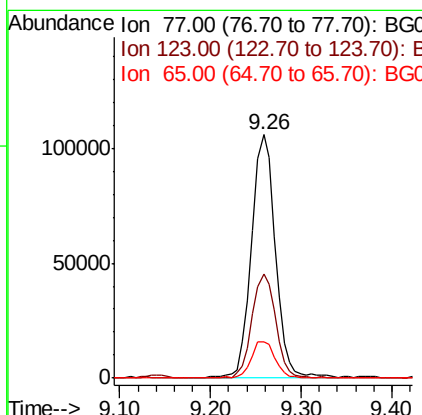
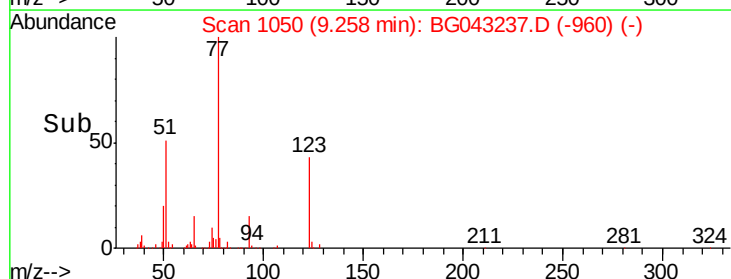
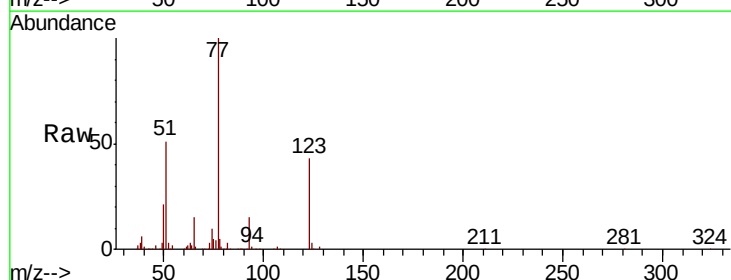
Manual Integrations
 APPROVED

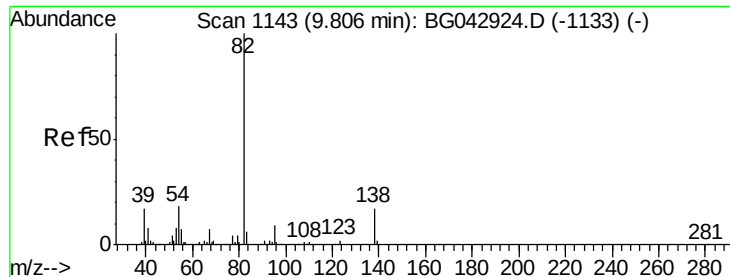
mohammad
 10/17/2019 7:57:37 AM



#24
 Nitrobenzene
 Concen: 45.608 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.6	31.9	47.9
65	14.7	12.4	18.6





#25

Isophorone

Concen: 45.255 ng

RT: 9.78 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

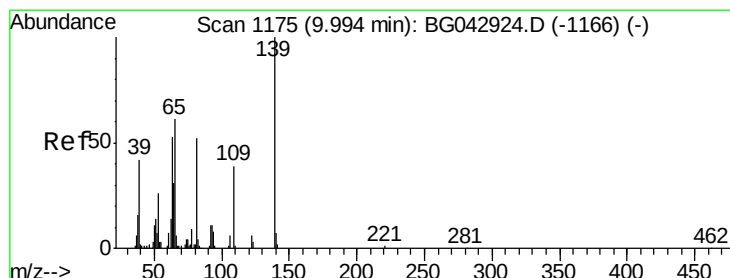
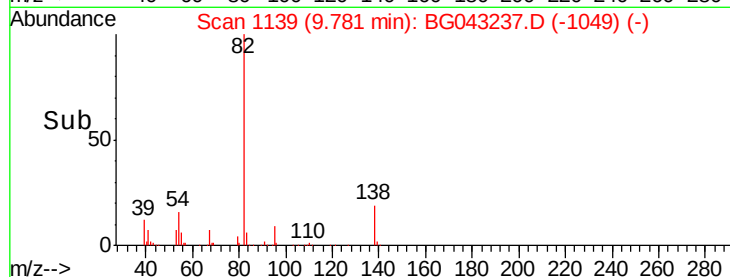
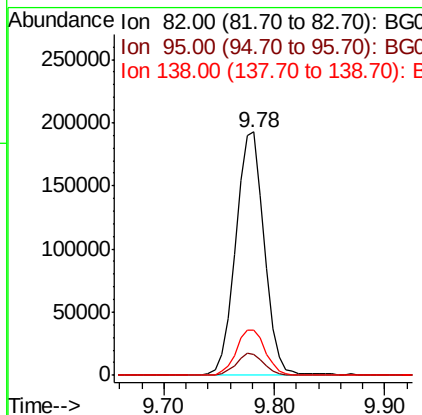
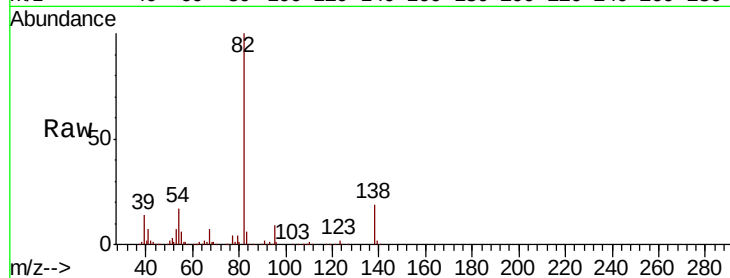
ClientSampleId :

OR-03-101119MS

Tot Ion:	82	Resp:	349768
Ion Ratio	Lower	Upper	
82	100		
95	8.7	7.0	10.4
138	18.8	13.8	20.6

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#26

2-Nitrophenol

Concen: 54.542 ng

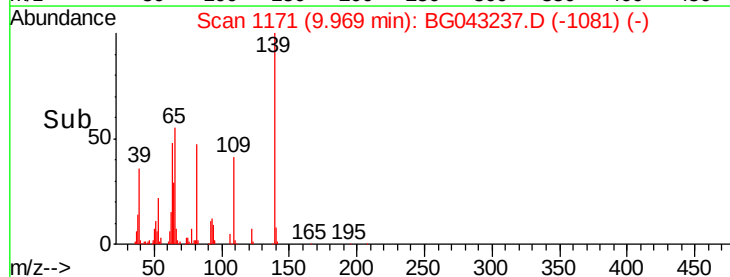
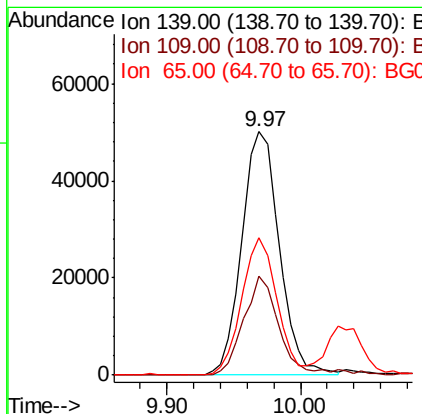
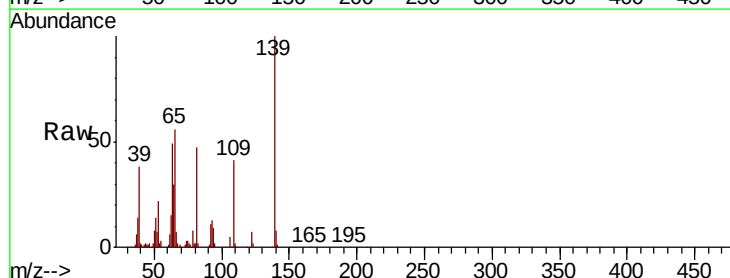
RT: 9.97 min Scan# 1171

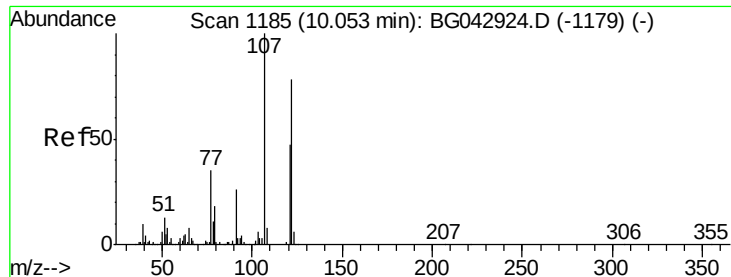
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	139	Resp:	97447
Ion Ratio	Lower	Upper	
139	100		
109	40.7	31.0	46.6
65	56.2	48.4	72.6





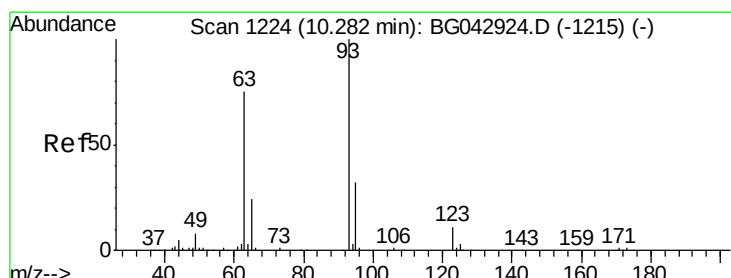
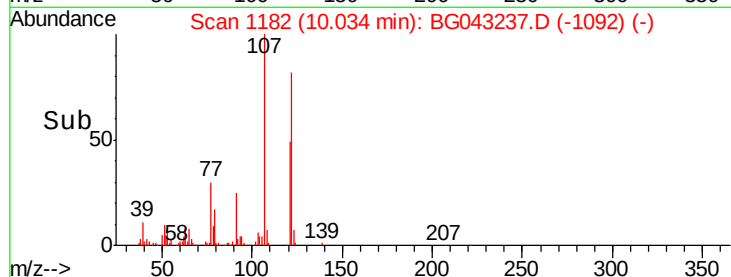
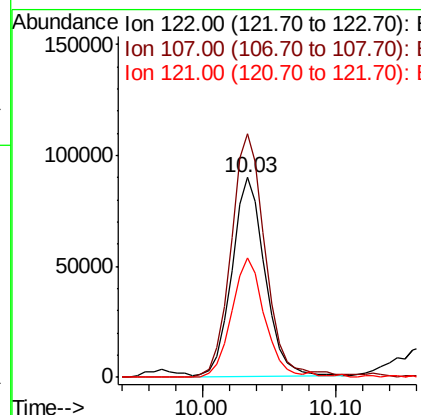
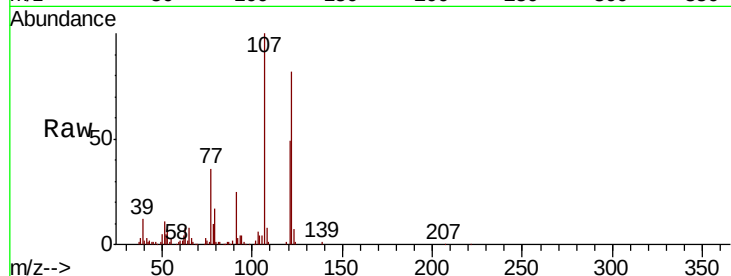
#27
2,4-Dimethylphenol
Concen: 56.540 ng
RT: 10.03 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	121.8	102.2	153.2	
121	60.0	48.5	72.7	

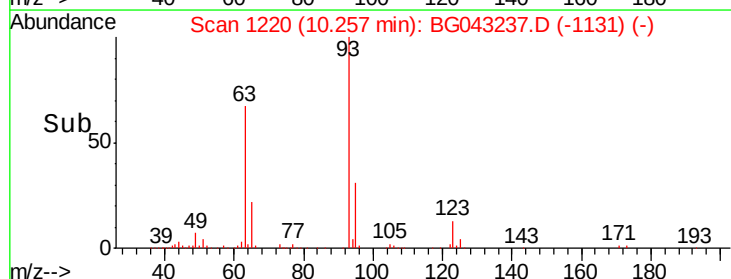
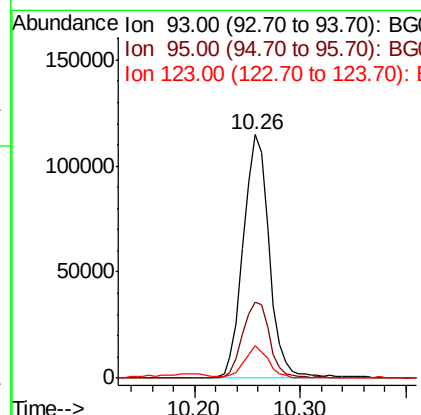
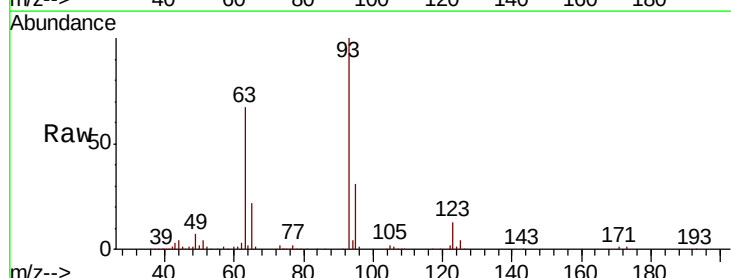
Manual Integrations
APPROVED

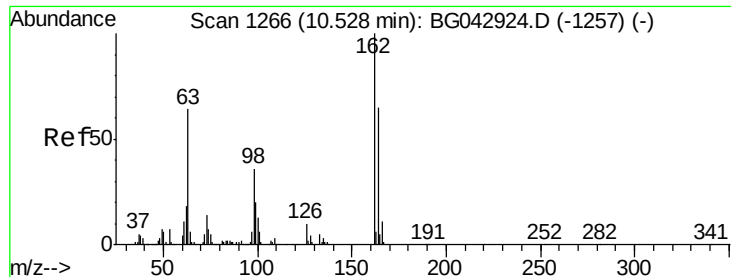
mohammad
10/17/2019 7:57:37 AM



#28
bis(2-Chloroethoxy)methane
Concen: 44.630 ng
RT: 10.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	31.0	25.4	38.0	
123	13.2	9.3	13.9	





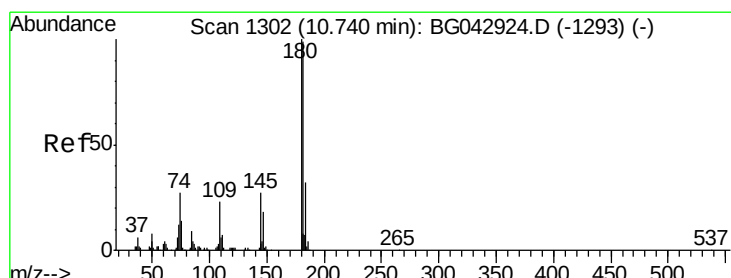
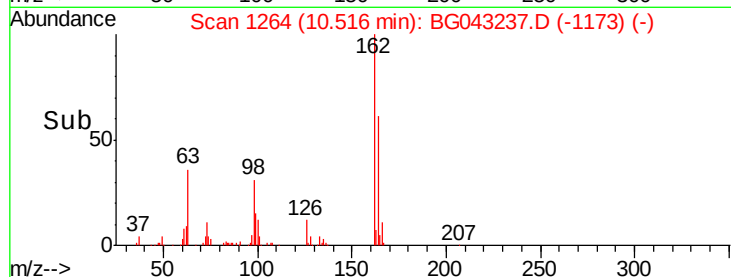
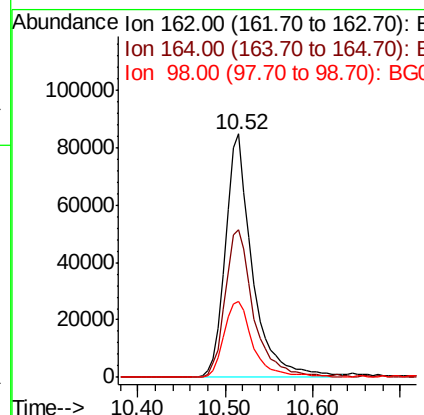
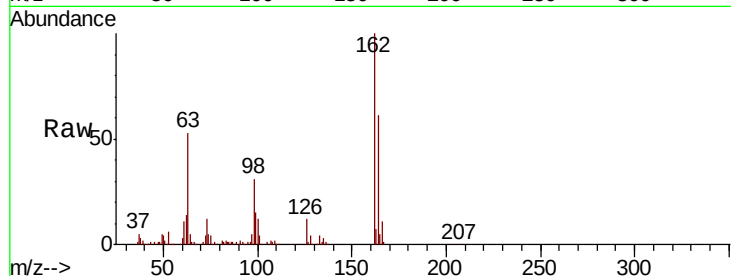
#29
2,4-Dichlorophenol
Concen: 53.030 ng
RT: 10.52 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	180962		
164	60.6	44.7	84.7	
98	31.5	16.0	56.0	

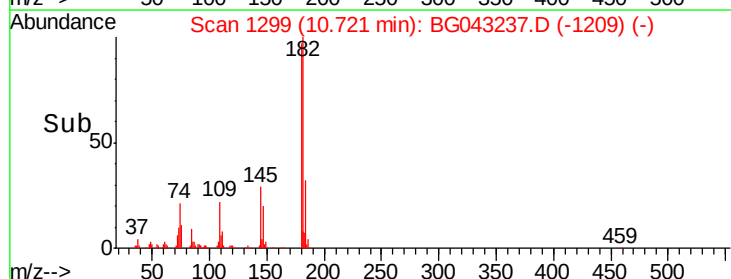
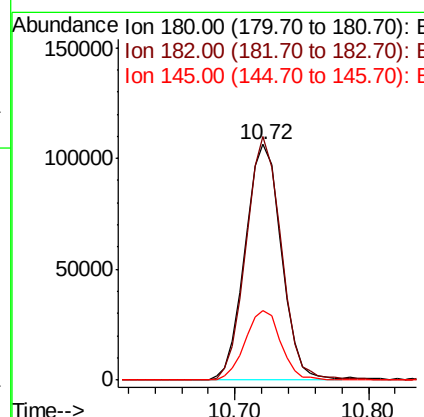
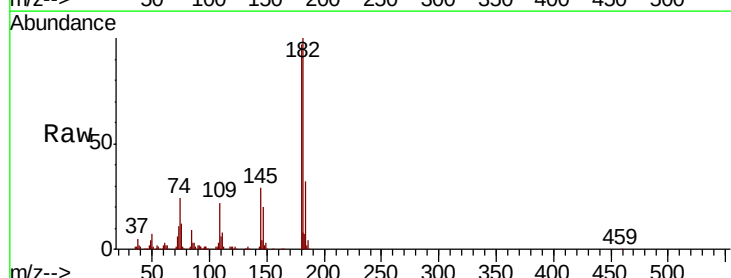
Manual Integrations
APPROVED

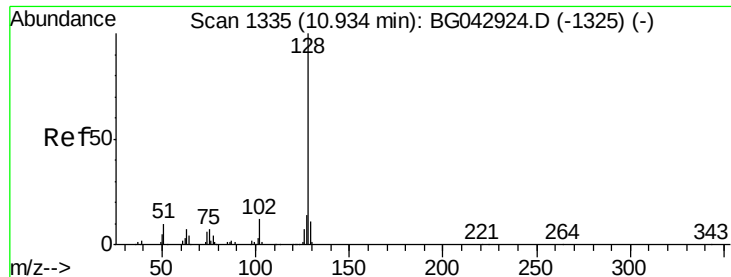
mohammad
10/17/2019 7:57:37 AM



#30
1,2,4-Trichlorobenzene
Concen: 45.300 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	199627		
182	103.2	79.3	118.9	
145	29.5	22.0	33.0	





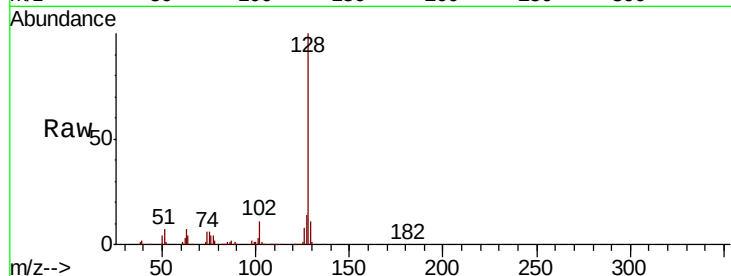
#31
Naphthalene
Concen: 49.811 ng
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	524398		
129	11.2		8.8	13.2
127	13.7		11.3	16.9

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

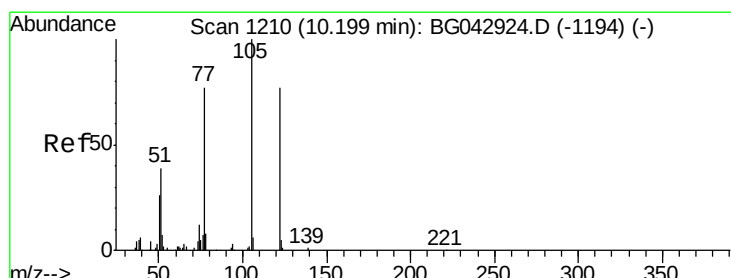
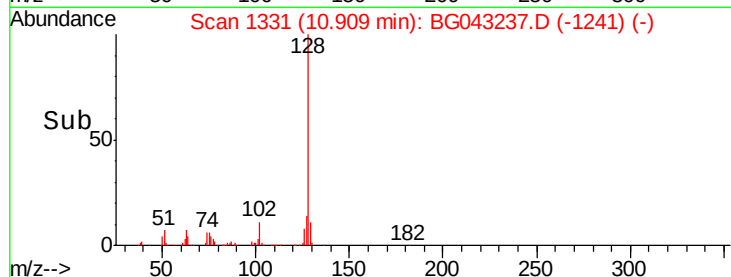
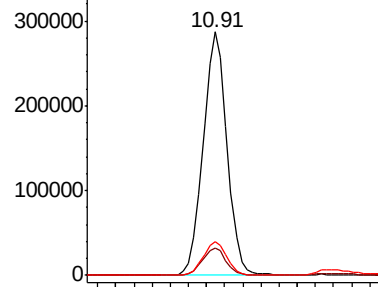


Abundance

Ion 128.00 (127.70 to 128.70): E

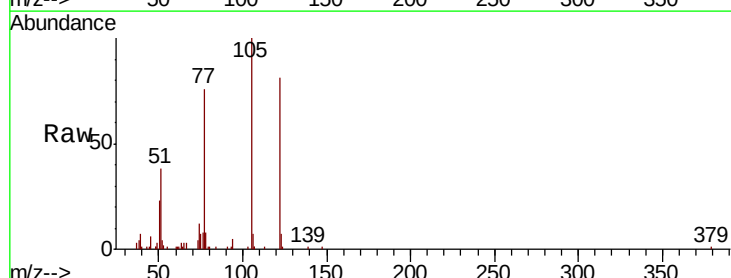
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 41.682 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.03 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	86464		
105	124.0		107.5	147.5
77	94.7		79.8	119.8

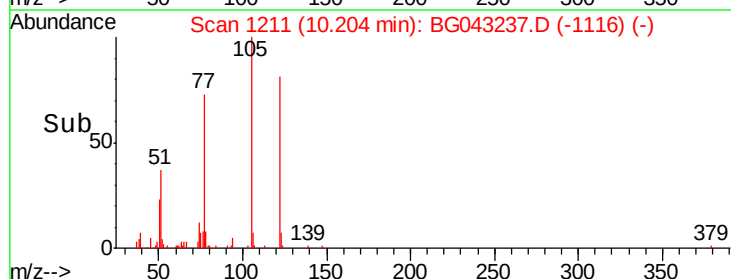
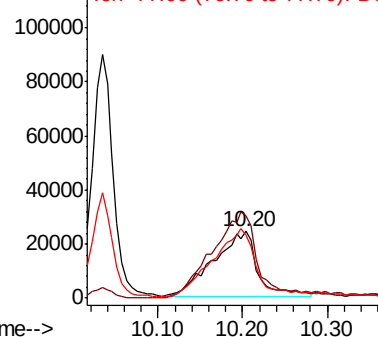


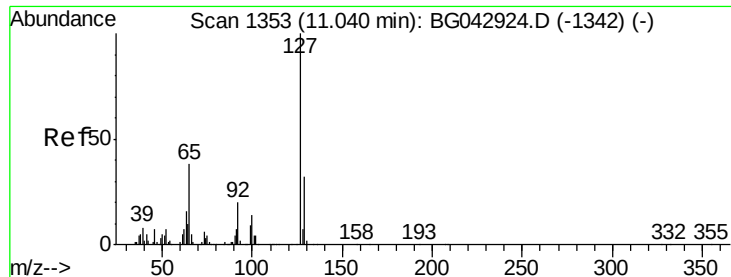
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





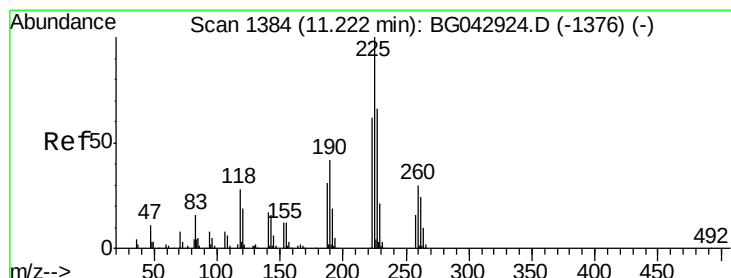
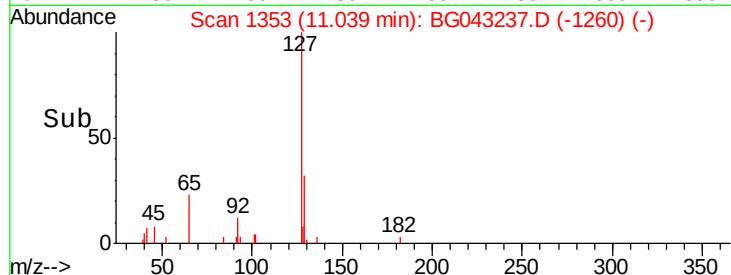
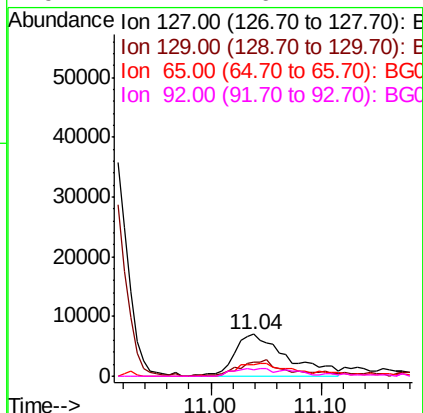
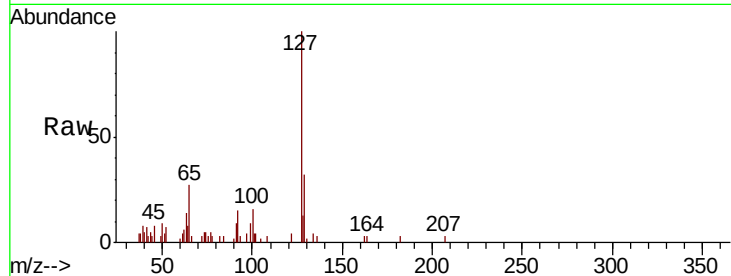
#33
4-Chloroaniline
Concen: 5.142 ng
RT: 11.04 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.2
65	27.4	30.6	45.8#
92	14.7	16.2	24.4#

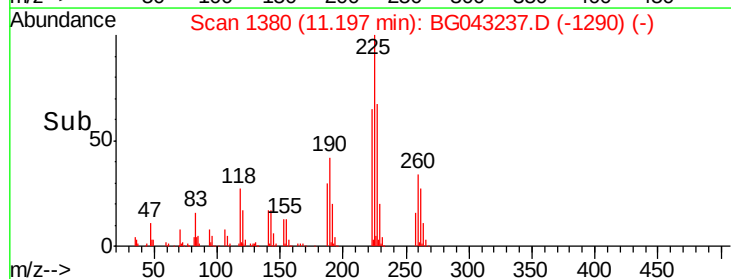
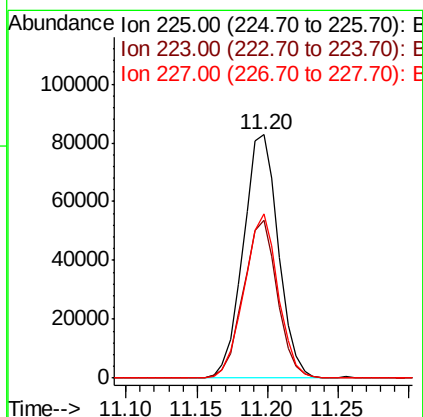
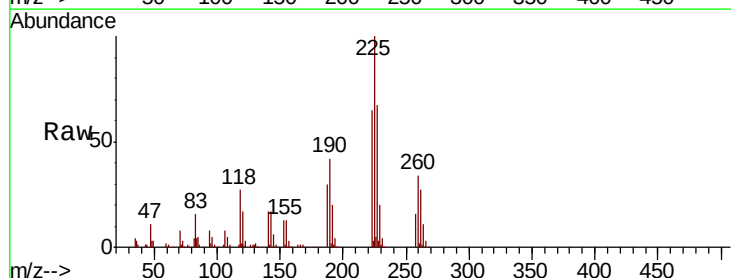
Manual Integrations
APPROVED

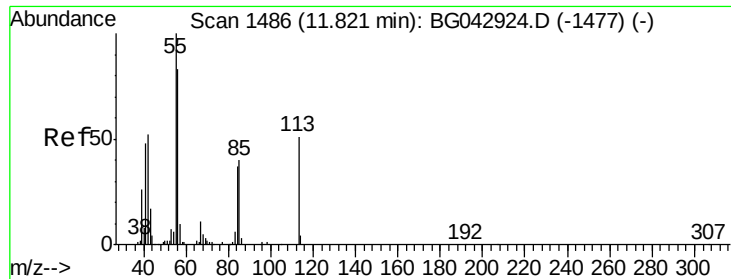
mohammad
10/17/2019 7:57:37 AM



#34
Hexachlorobutadiene
Concen: 43.695 ng
RT: 11.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	49.3	73.9
227	67.4	52.8	79.2





#35

Caprolactam

Concen: 43.647 ng/ml

RT: 11.80 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

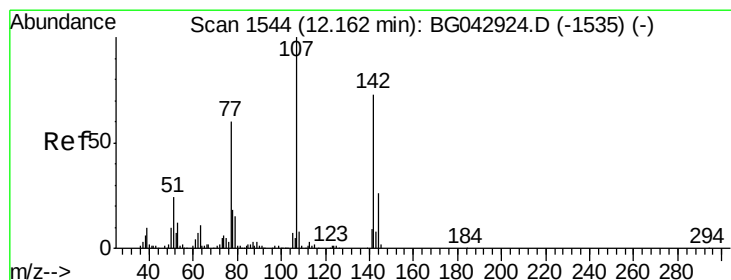
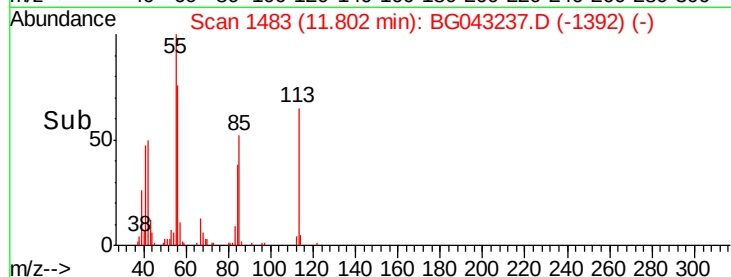
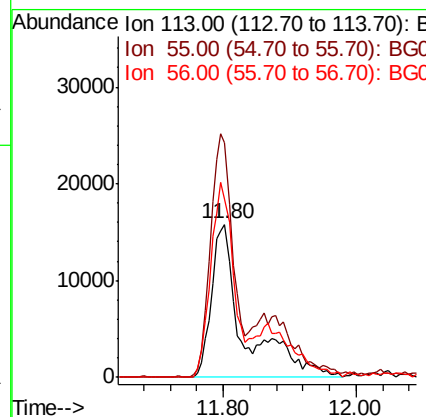
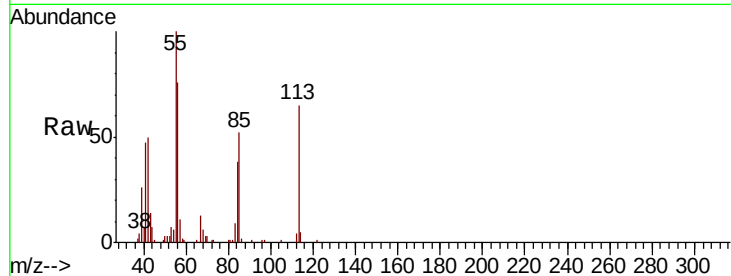
ClientSampleId :

OR-03-101119MS

Tot Ion:	113	Resp:	52525
Ion Ratio	Lower	Upper	
113	100		
55	153.8	175.5	215.5#
56	116.4	142.3	182.3#

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#36

4-Chloro-3-methylphenol

Concen: 52.714 ng/ml

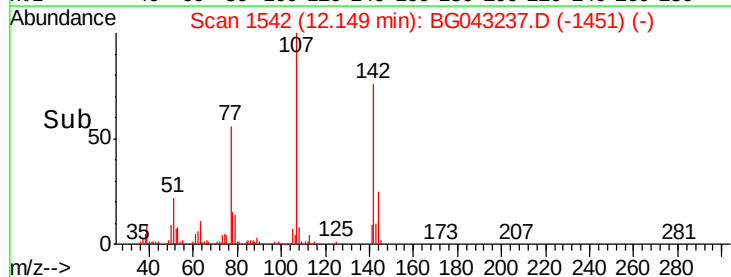
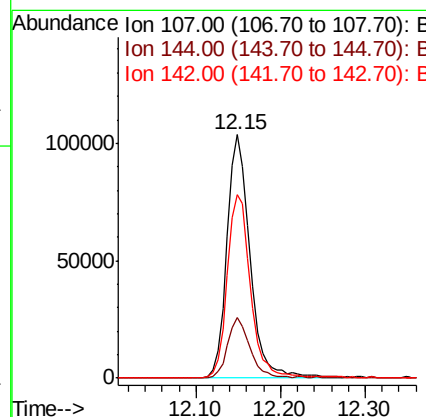
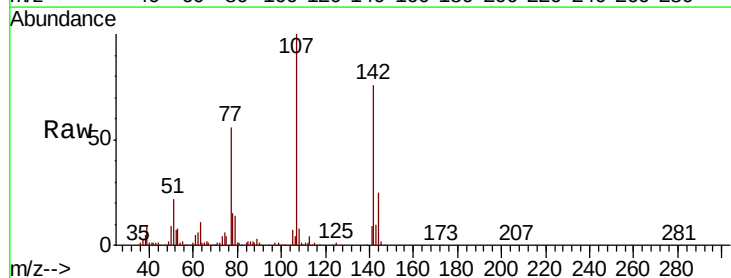
RT: 12.15 min Scan# 1542

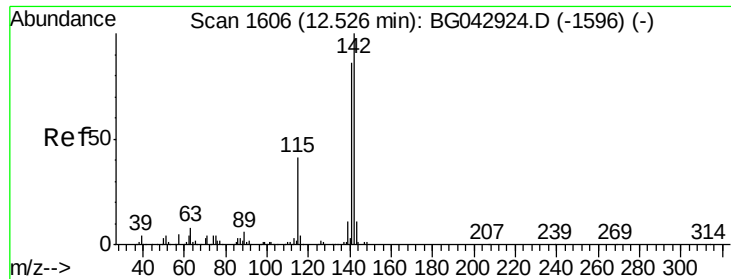
Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	107	Resp:	195584
Ion Ratio	Lower	Upper	
107	100		
144	25.0	20.7	31.1
142	75.5	58.6	87.8





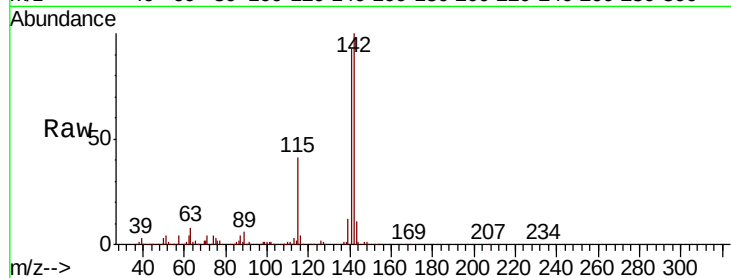
#37
2-Methylnaphthalene
Concen: 49.382 ng
RT: 12.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.5	69.0	103.4
115	40.9	32.8	49.2

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

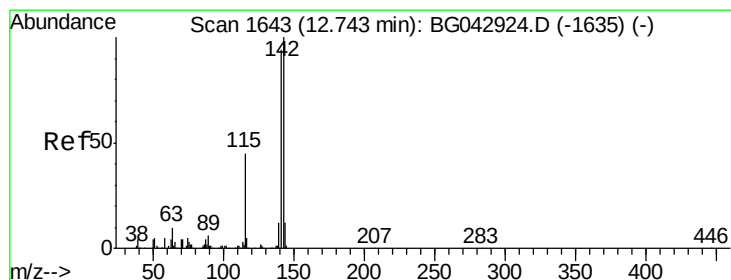
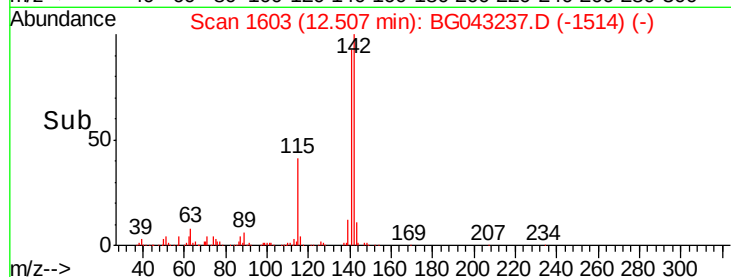
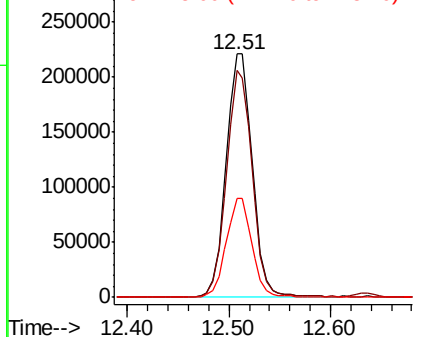


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 49.363 ng
RT: 12.73 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

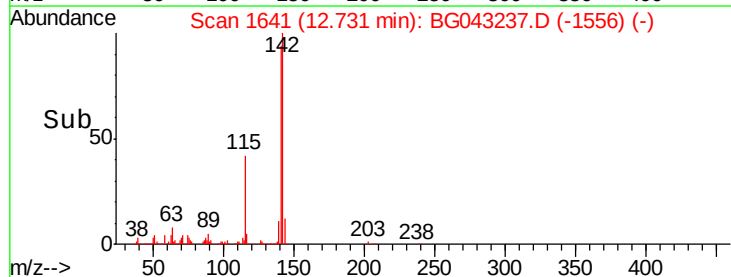
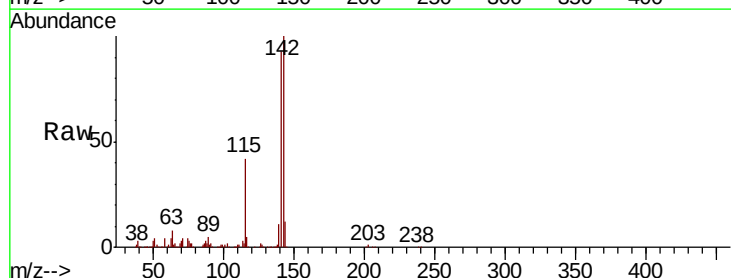
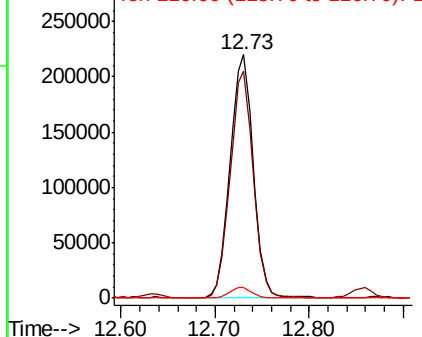
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.9	112.3
116	4.5	3.7	5.5

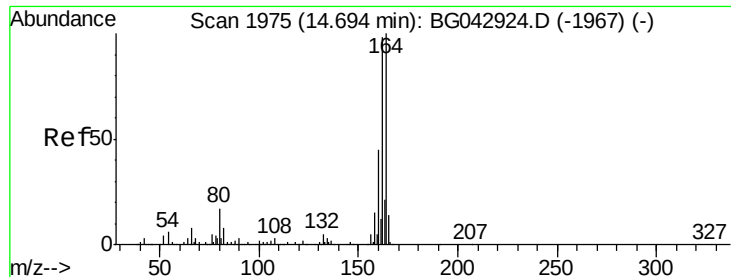
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

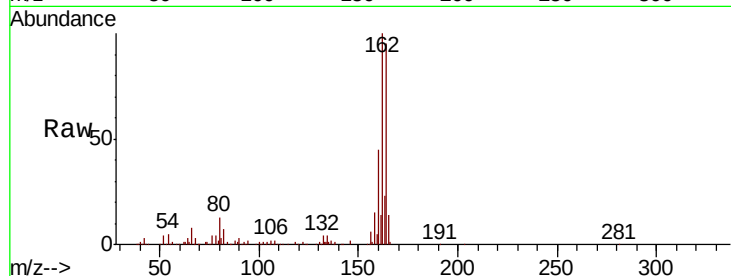
ClientSampleId :

OR-03-101119MS

Tot Ion:	164	Resp:	146766
Ion Ratio	Lower	Upper	
164	100		
162	104.8	78.5	117.7
160	47.3	35.9	53.9

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

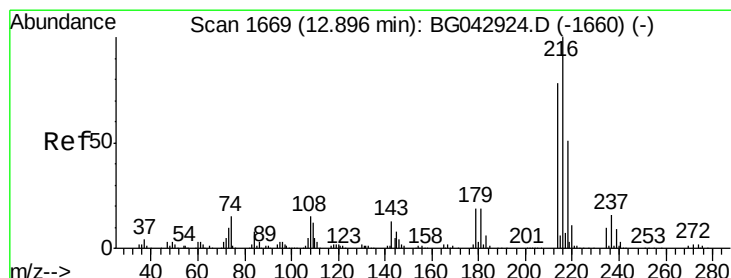
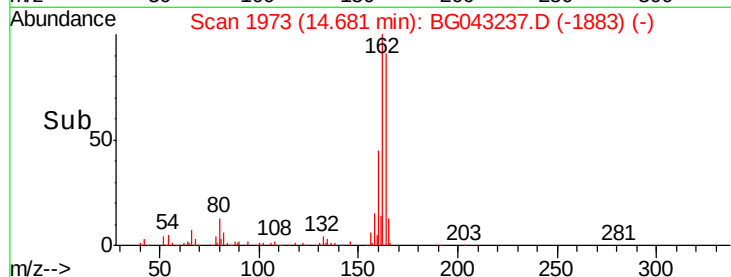
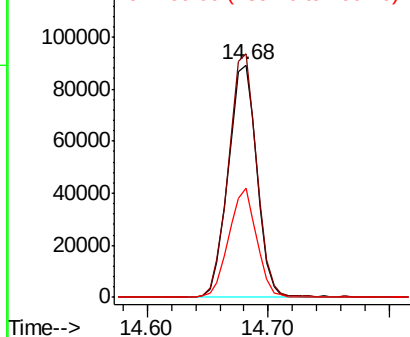


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.754 ng

RT: 12.88 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	216	Resp:	263522
Ion Ratio	Lower	Upper	
216	100		
214	77.9	62.4	93.6
179	20.0	15.4	23.2
108	15.2	12.6	19.0

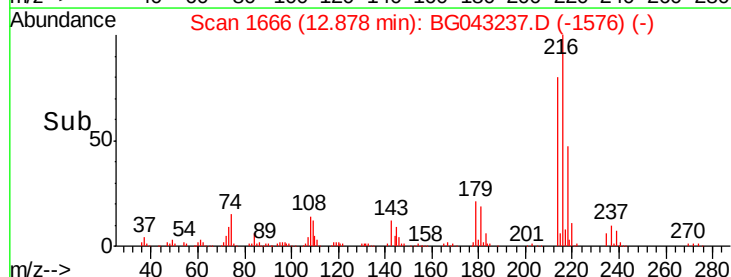
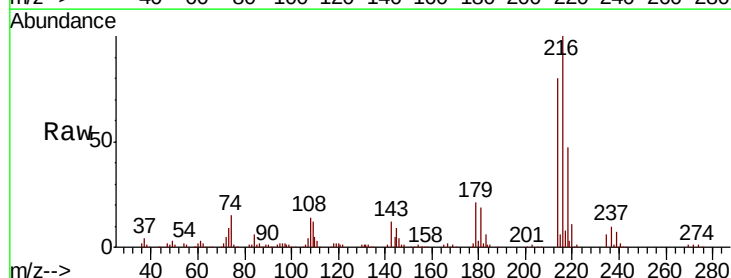
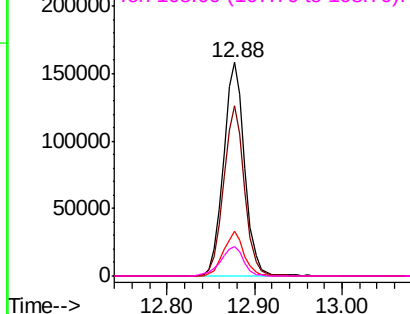
Abundance

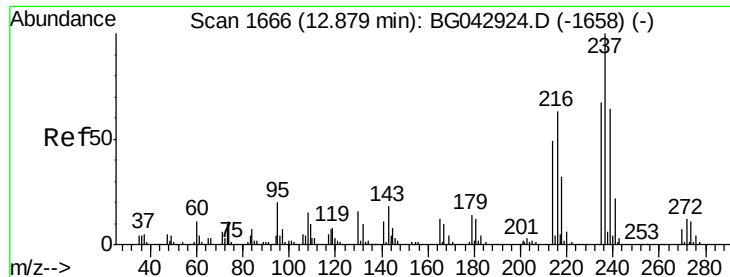
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





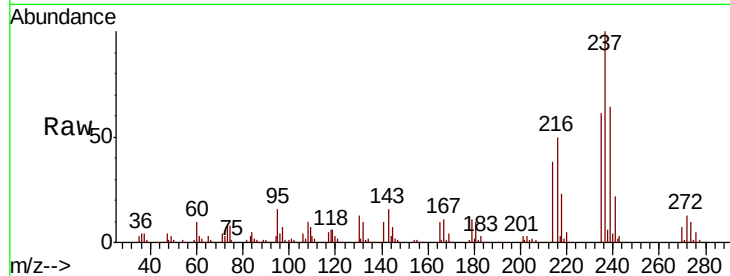
#41
Hexachlorocyclopentadiene
Concen: 44.632 ng
RT: 12.86 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
237	100		
235	61.1	46.7	86.7
272	12.6	0.0	32.3

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

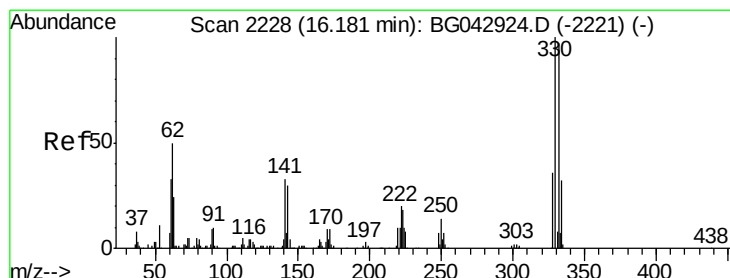
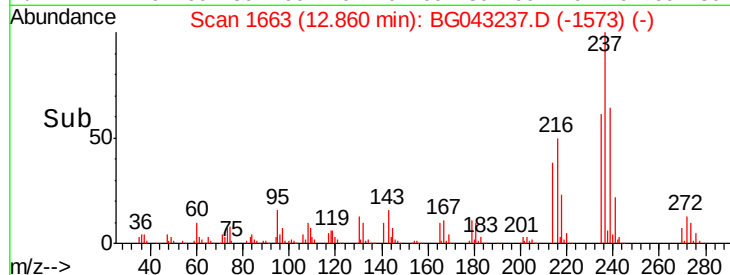
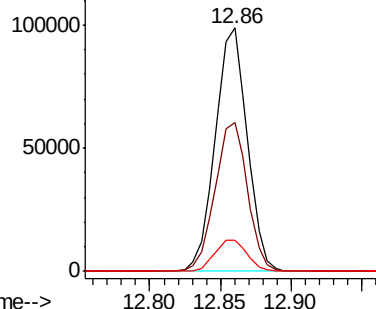


Abundance

Ion 236.80 (236.50 to 237.50): E

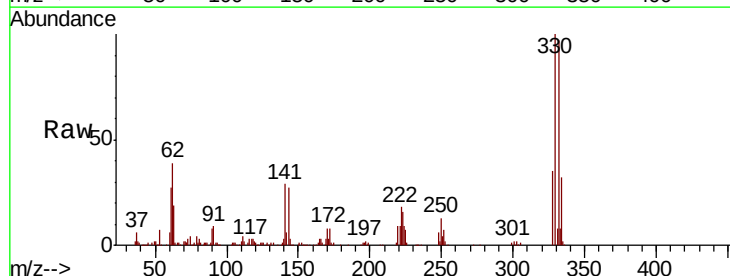
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 145.184 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.2
141	28.1	26.0	39.0

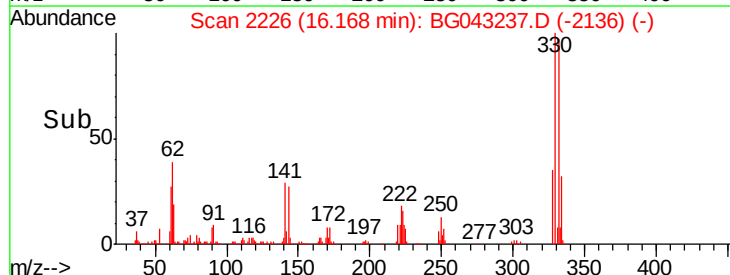
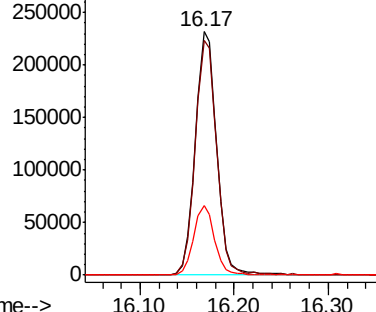


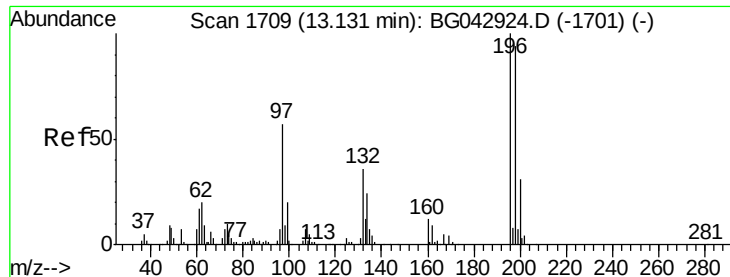
Abundance

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





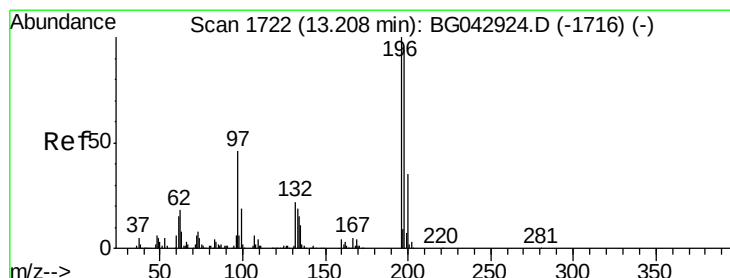
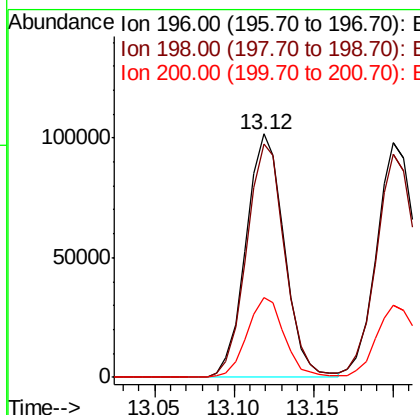
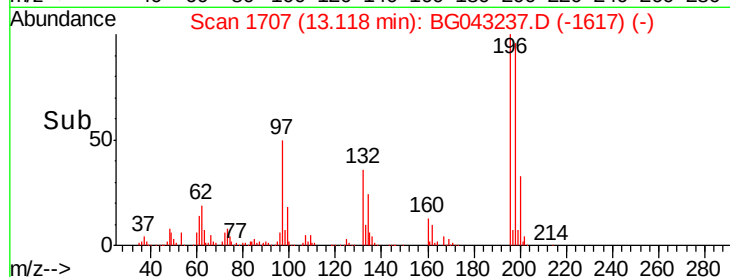
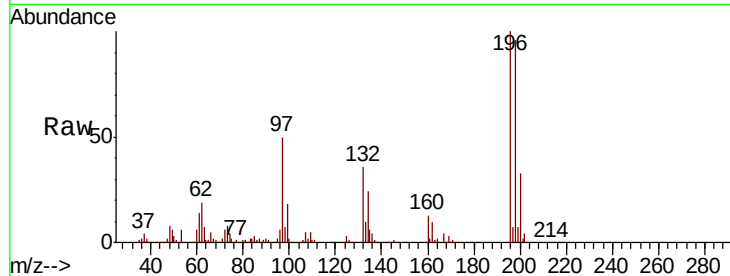
#43
 2,4,6-Trichlorophenol
 Concen: 52.922 ng
 RT: 13.12 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	170933		
198	95.7	75.5	113.3	
200	32.9	24.9	37.3	

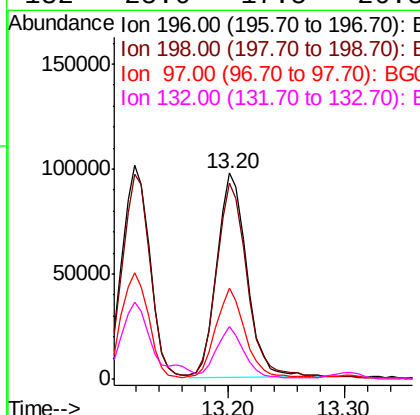
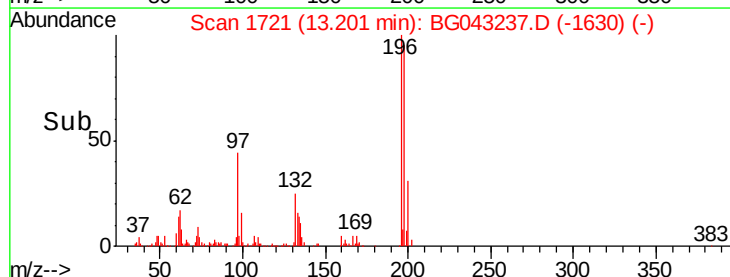
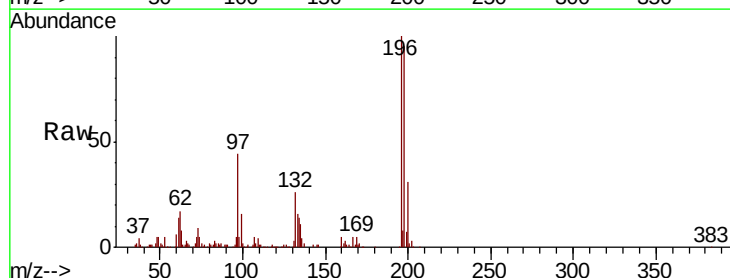
Manual Integrations
 APPROVED

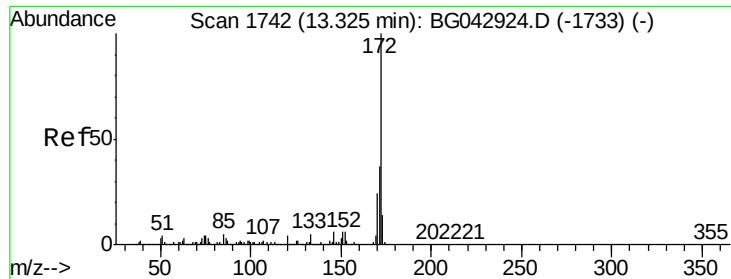
mohammad
 10/17/2019 7:57:37 AM



#44
 2,4,5-Trichlorophenol
 Concen: 53.151 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. 0.01 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	176847		
198	95.3	75.1	112.7	
97	44.3	37.0	55.4	
132	25.6	17.5	26.3	





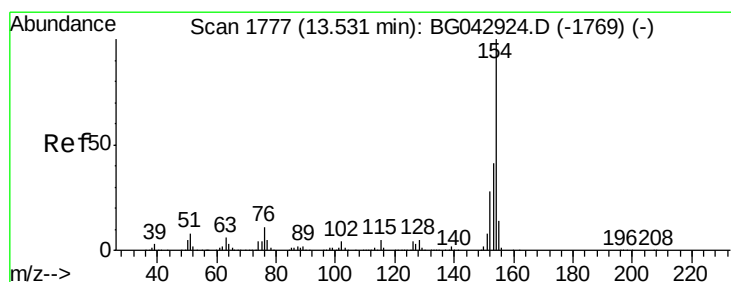
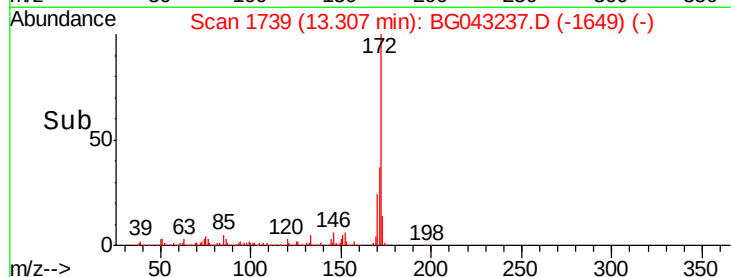
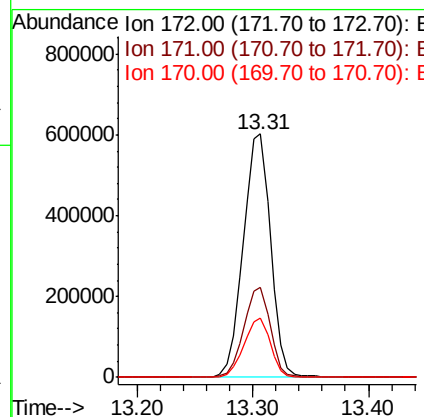
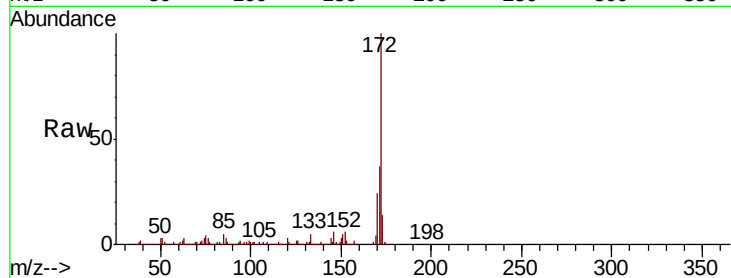
#45
2-Fluorobiphenyl
Concen: 97.732 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100				
171	36.9	29.6	44.4		
170	24.4	19.6	29.4		

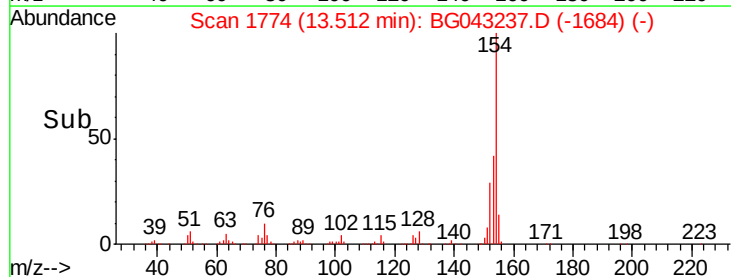
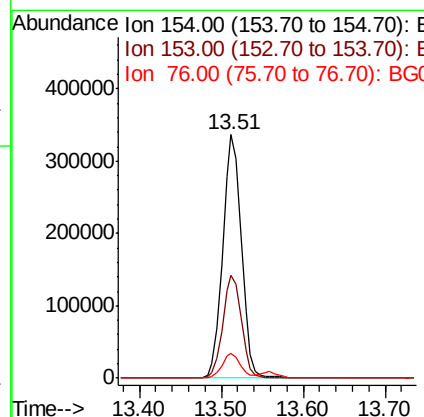
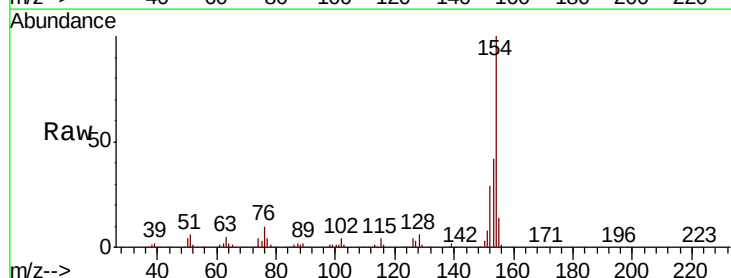
Manual Integrations
APPROVED

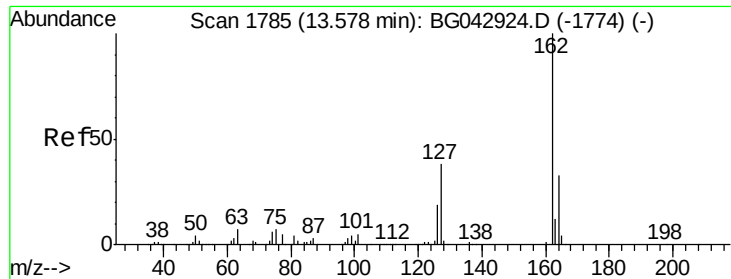
mohammad
10/17/2019 7:57:37 AM



#46
1,1'-Biphenyl
Concen: 48.138 ng
RT: 13.51 min Scan# 1774
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	42.2	21.4	61.4		
76	9.9	0.0	31.3		





#47

2-Chloronaphthalene

Concen: 50.387 ng

RT: 13.56 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

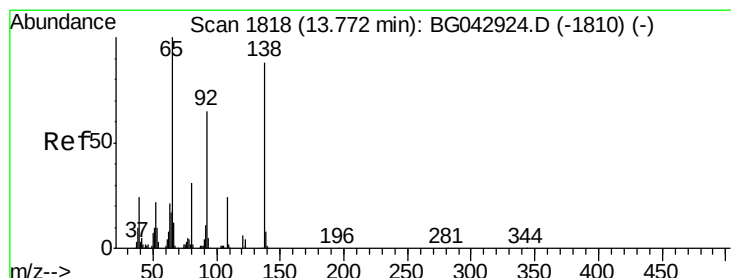
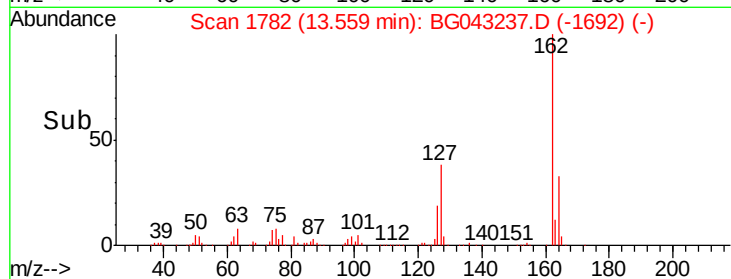
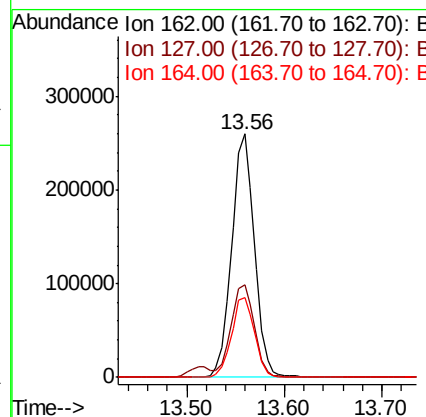
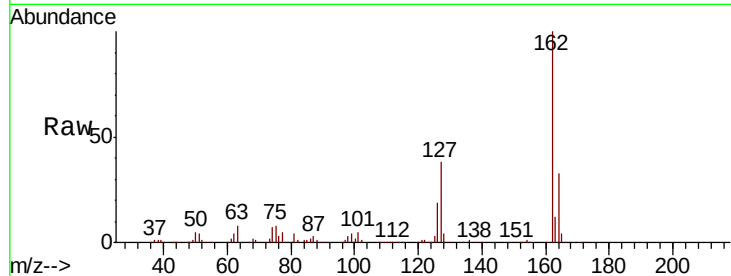
ClientSampleId :

OR-03-101119MS

Tot Ion:	162	Resp:	420462
Ion Ratio	Lower	Upper	
162	100		
127	38.1	31.0	46.6
164	32.9	26.2	39.2

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#48

2-Nitroaniline

Concen: 44.503 ng

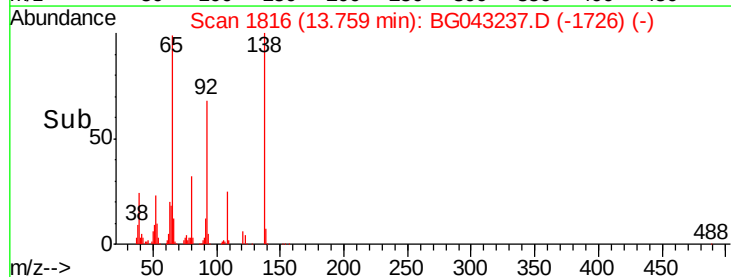
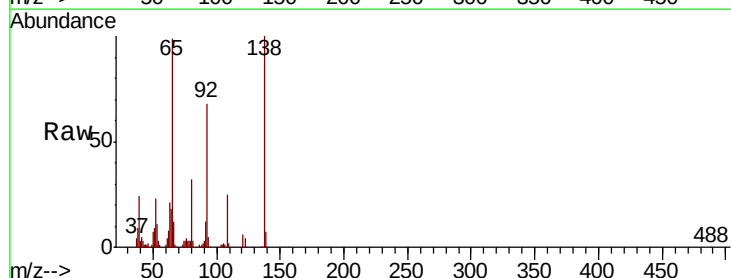
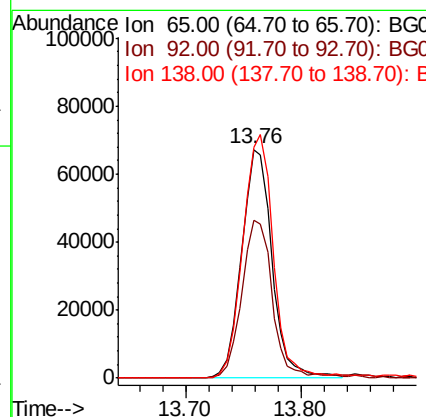
RT: 13.76 min Scan# 1816

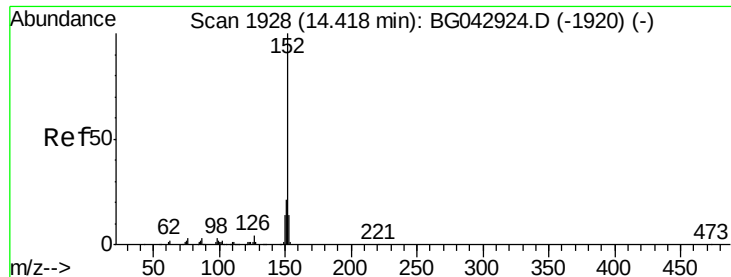
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	65	Resp:	123496
Ion Ratio	Lower	Upper	
65	100		
92	69.4	52.0	78.0
138	101.3	70.4	105.6





#49

Acenaphthylene

Concen: 51.814 ng

RT: 14.41 min Scan# 1926

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

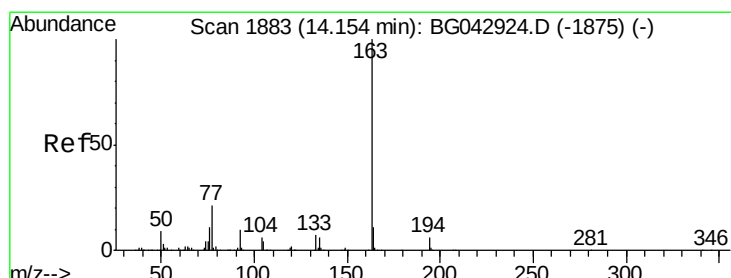
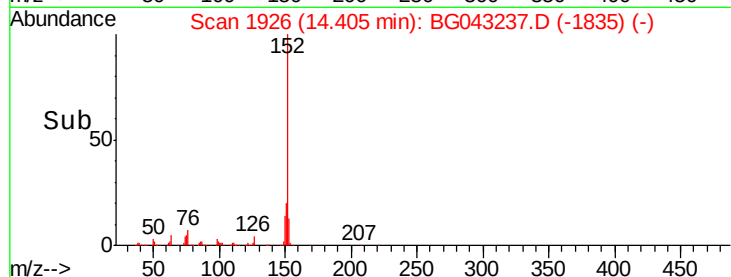
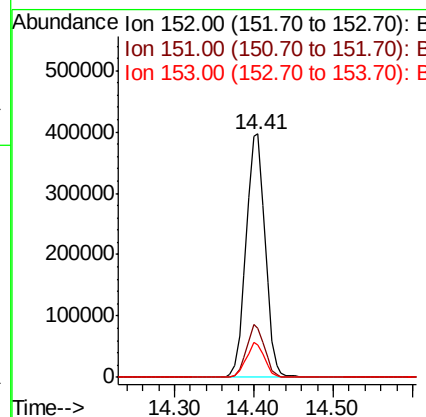
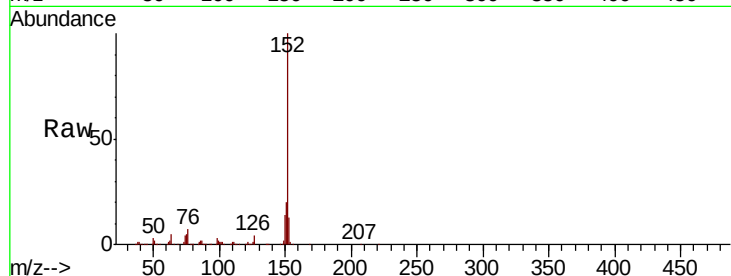
ClientSampleId :

OR-03-101119MS

Tot Ion:	152	Resp:	661591
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	13.1	11.3	16.9

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#50

Dimethylphthalate

Concen: 47.512 ng

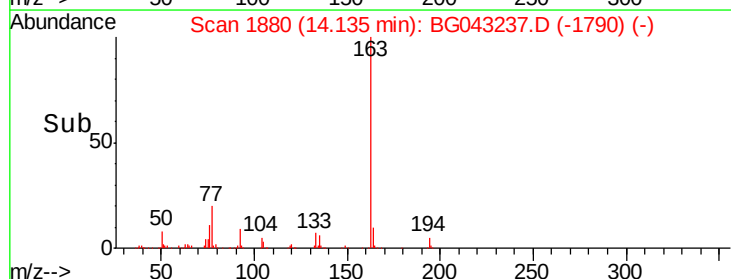
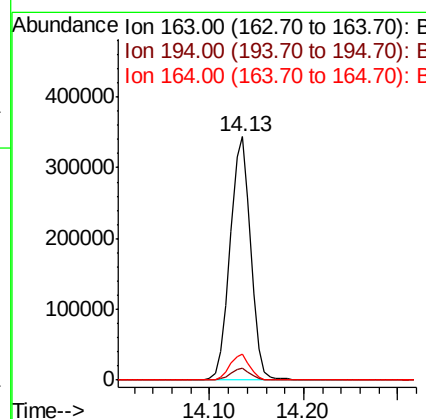
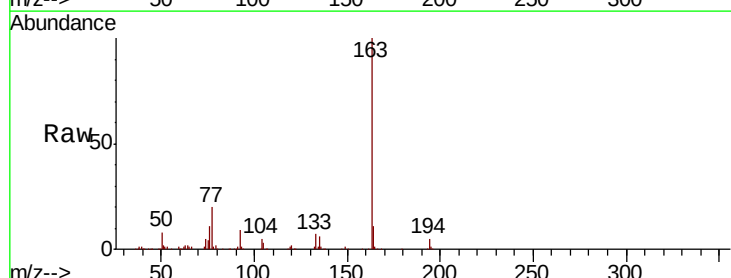
RT: 14.13 min Scan# 1880

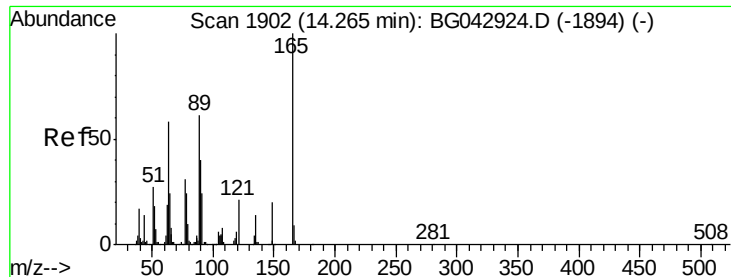
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	163	Resp:	522473
Ion Ratio	Lower	Upper	
163	100		
194	5.0	4.4	6.6
164	10.5	8.6	12.8





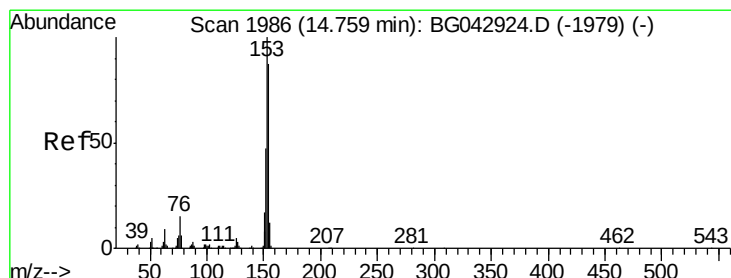
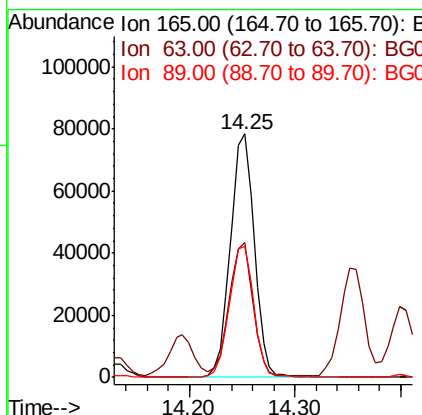
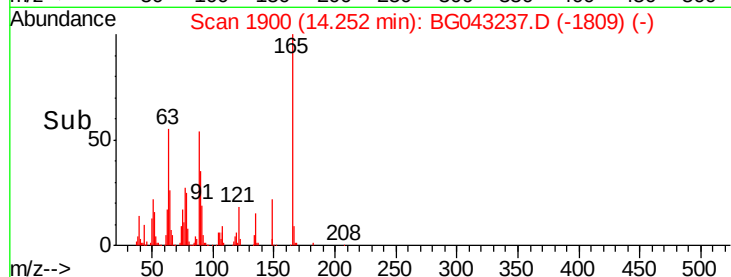
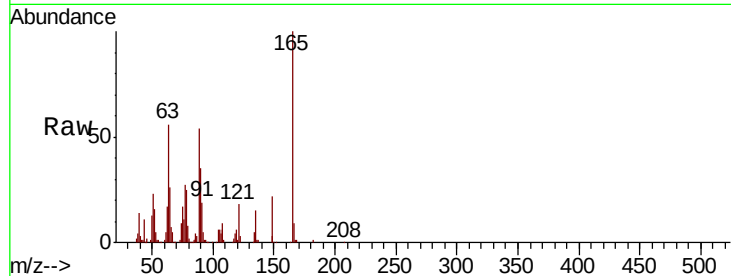
#51
2,6-Dinitrotoluene
Concen: 52.403 ng
RT: 14.25 min Scan# 1900
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.6	50.3	75.5
89	53.7	48.9	73.3

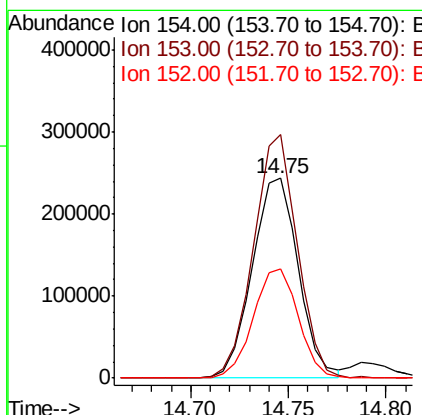
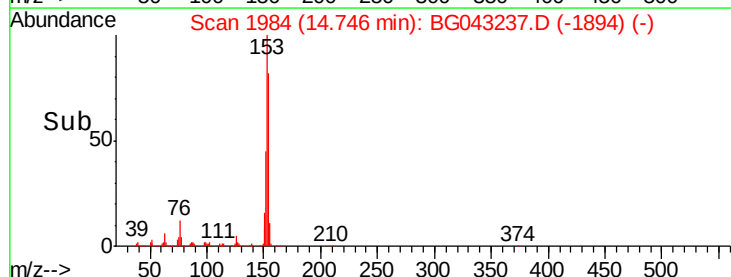
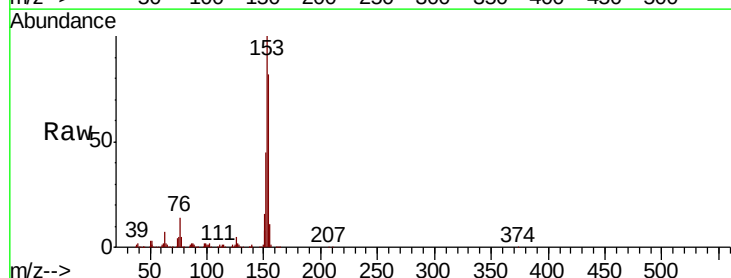
Manual Integrations
APPROVED

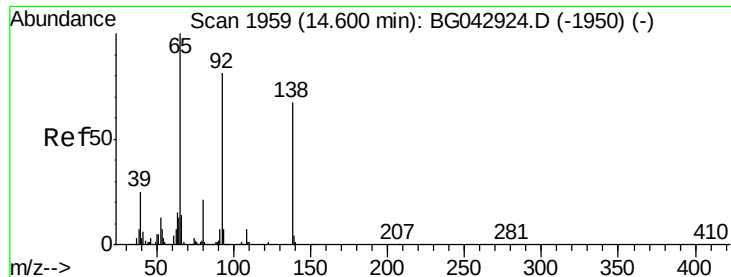
mohammad
10/17/2019 7:57:37 AM



#52
Acenaphthene
Concen: 46.460 ng
RT: 14.75 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.8	91.4	137.0
152	54.5	42.8	64.2





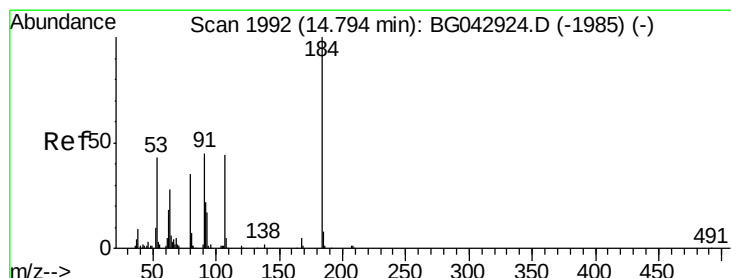
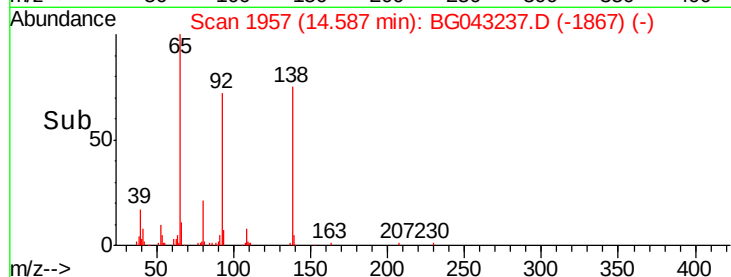
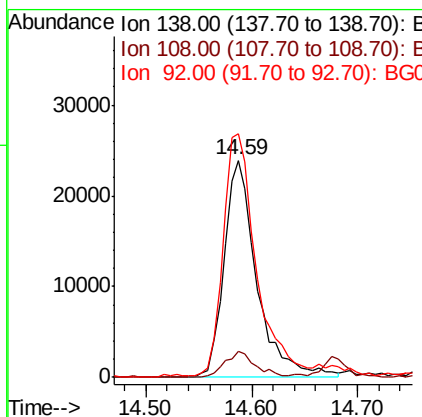
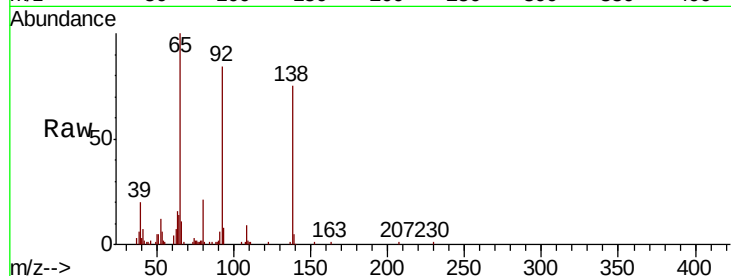
#53
3-Nitroaniline
Concen: 21.130 ng
RT: 14.59 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.9	7.9	11.9#
92	112.1	97.0	145.6

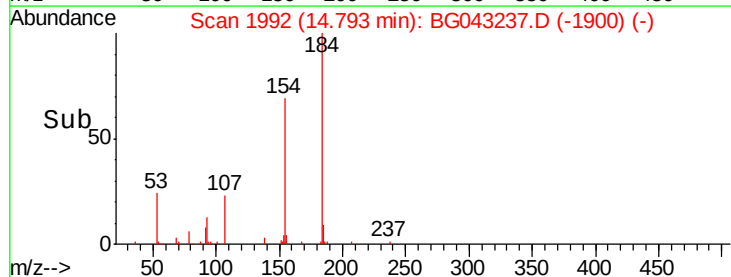
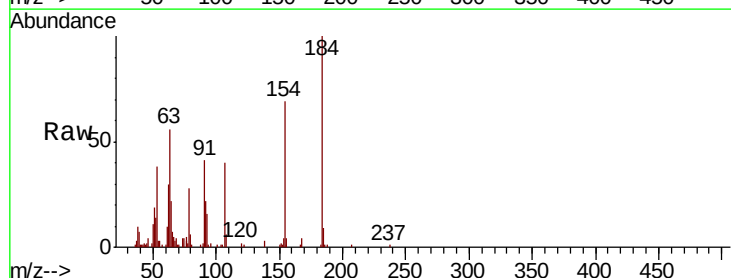
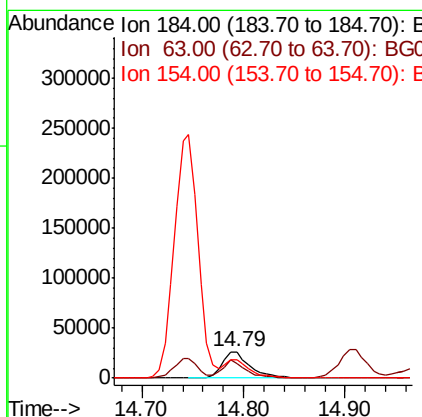
Manual Integrations
APPROVED

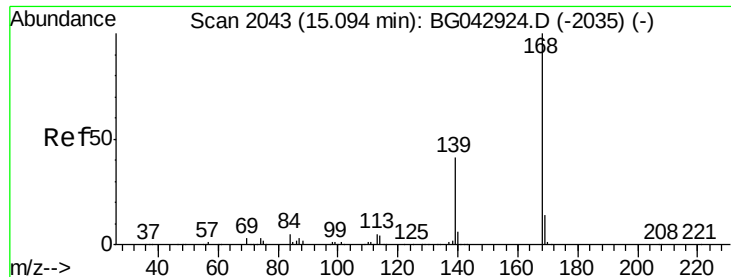
mohammad
10/17/2019 7:57:37 AM



#54
2,4-Dinitrophenol
Concen: 35.450 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.8	55.0	82.6
154	69.2	56.5	84.7





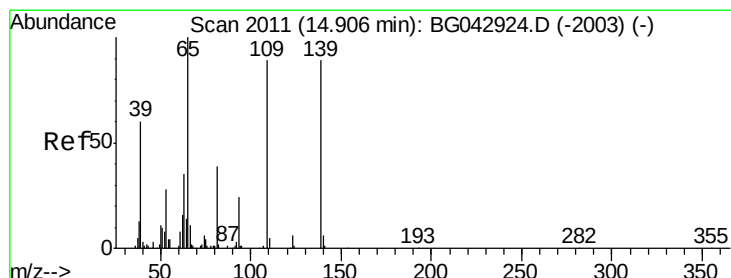
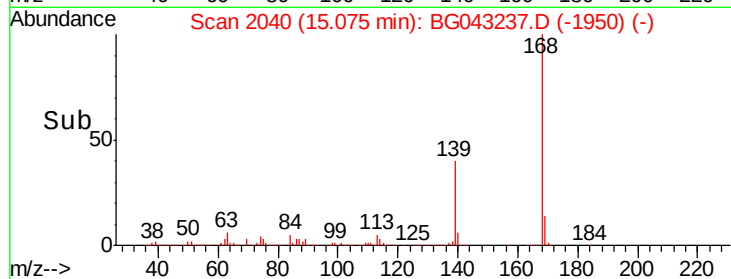
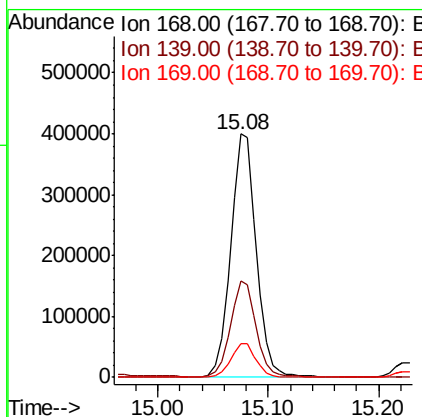
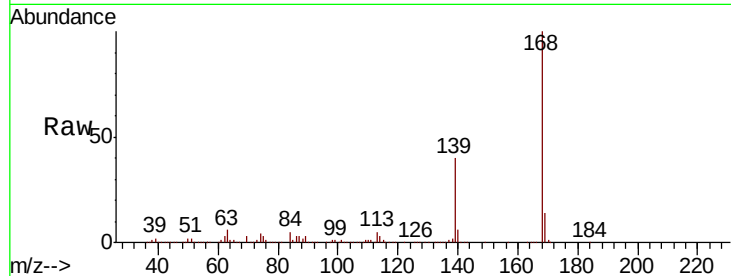
#55
Dibenzenofuran
Concen: 51.194 ng
RT: 15.08 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	32.6	48.8
169	13.6	11.2	16.8

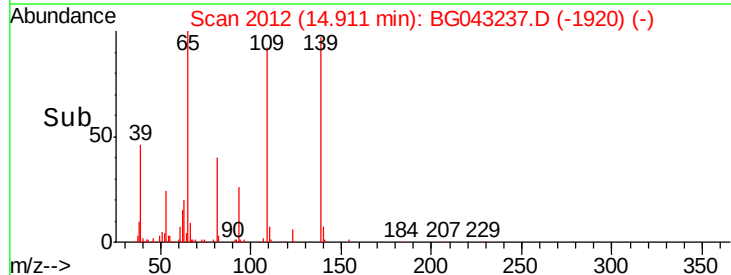
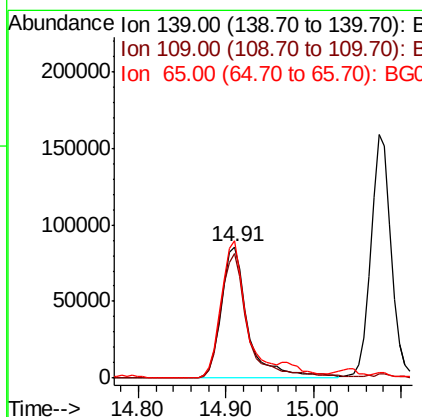
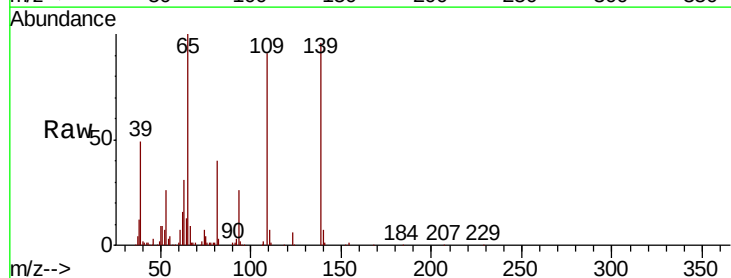
Manual Integrations
APPROVED

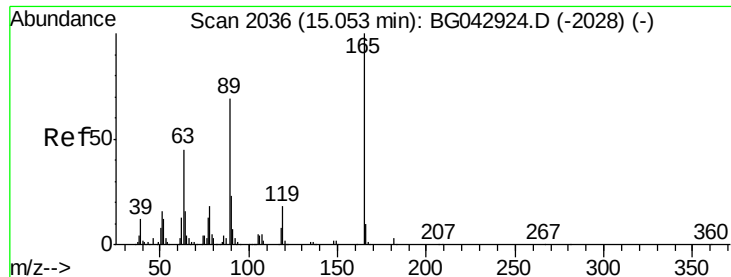
mohammad
10/17/2019 7:57:37 AM



#56
4-Nitrophenol
Concen: 98.655 ng
RT: 14.91 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
139	100		
109	94.5	79.4	119.4
65	104.1	92.5	132.5





#57

2,4-Dinitrotoluene

Concen: 49.437 ng

RT: 15.04 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

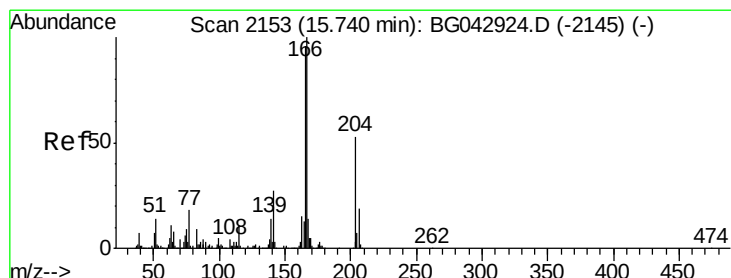
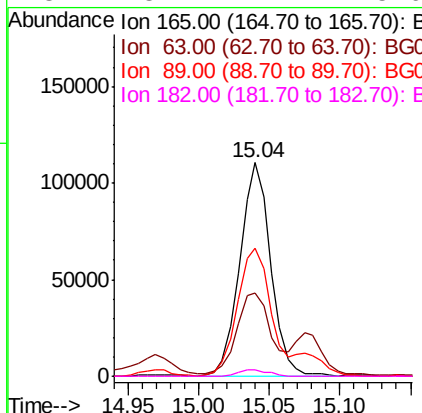
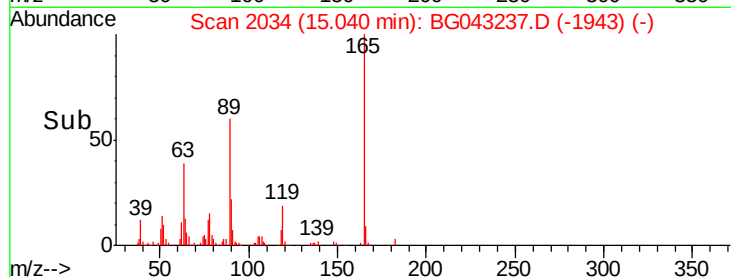
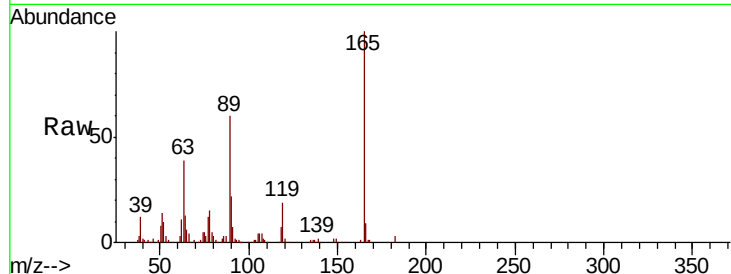
ClientSampleId :

OR-03-101119MS

Tot Ion	165	Resp	169538
Ion Ratio	Lower	Upper	
165	100		
63	38.8	36.5	54.7
89	59.9	55.5	83.3
182	3.2	2.4	3.6

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#58

Fluorene

Concen: 49.737 ng

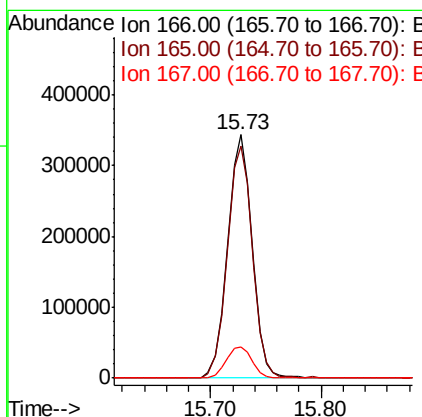
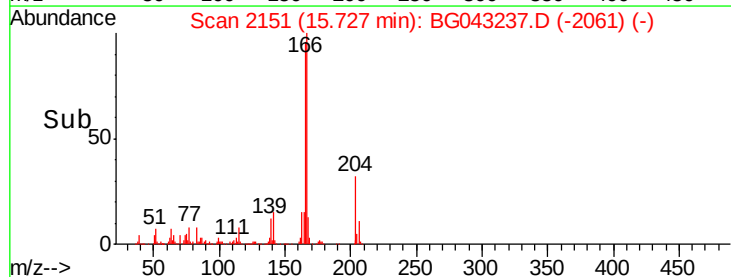
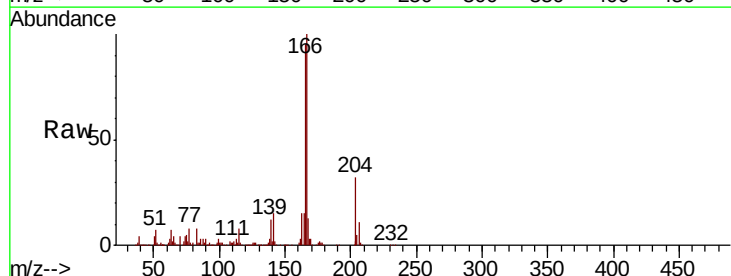
RT: 15.73 min Scan# 2151

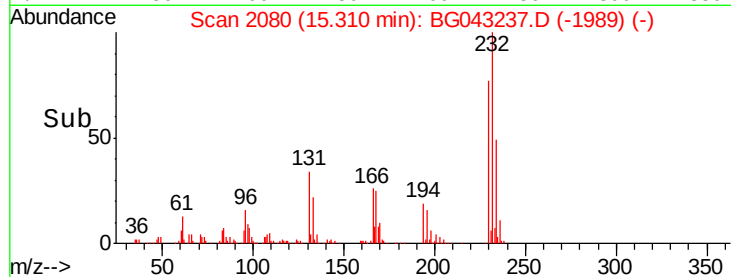
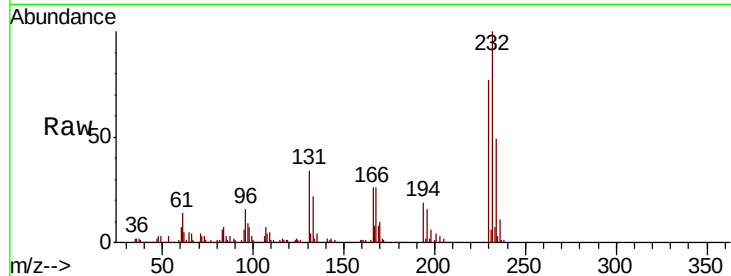
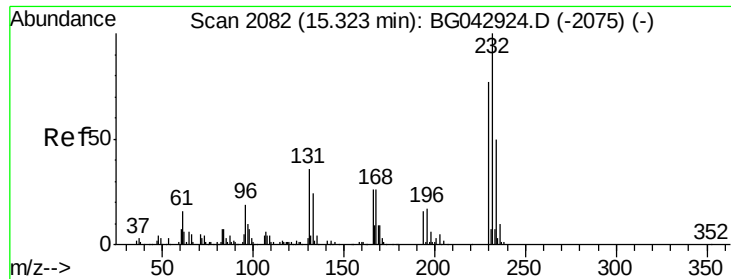
Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion	166	Resp	536855
Ion Ratio	Lower	Upper	
166	100		
165	95.4	77.1	115.7
167	12.9	11.0	16.6





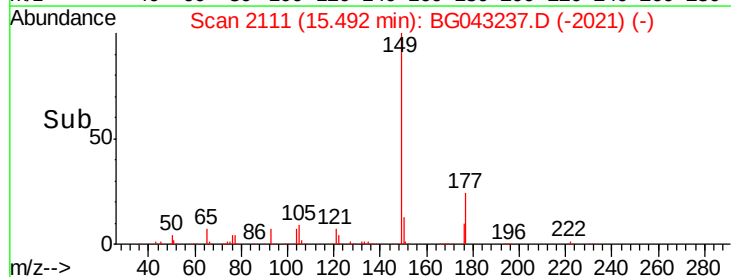
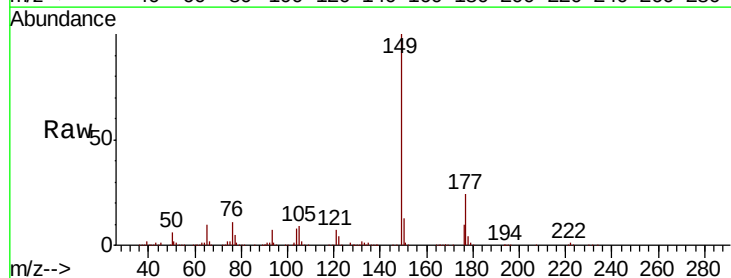
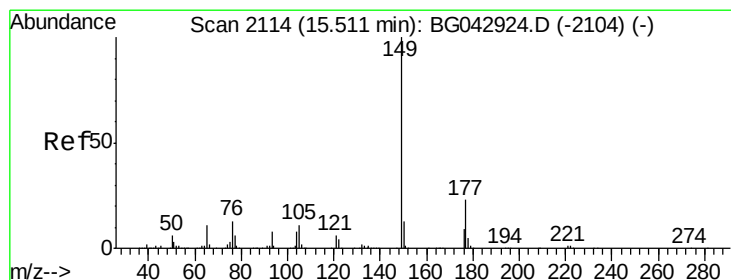
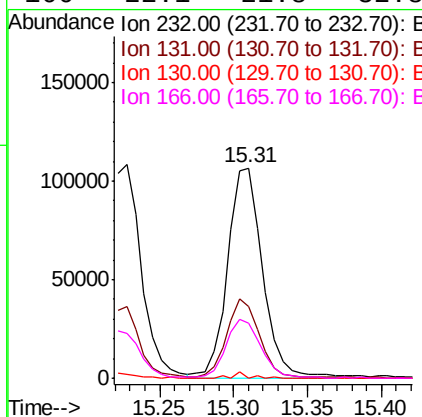
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.967 ng m
RT: 15.31 min Scan# 2080
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		177018		
131	31.8	29.6	44.4		
130	2.0	1.9	2.9		
166	22.1	21.8	32.8		

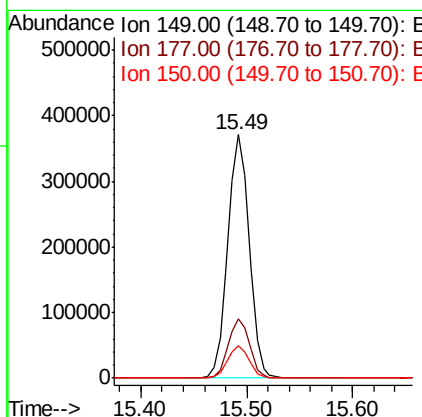
Manual Integrations
APPROVED

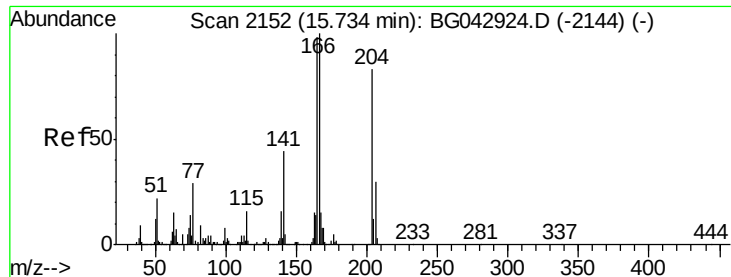
mohammad
10/17/2019 7:57:37 AM



#60
Diethylphthalate
Concen: 46.315 ng
RT: 15.49 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		518326		
177	24.3	18.8	28.2		
150	13.4	10.6	15.8		





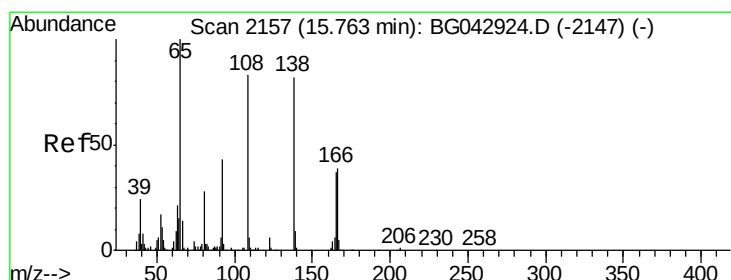
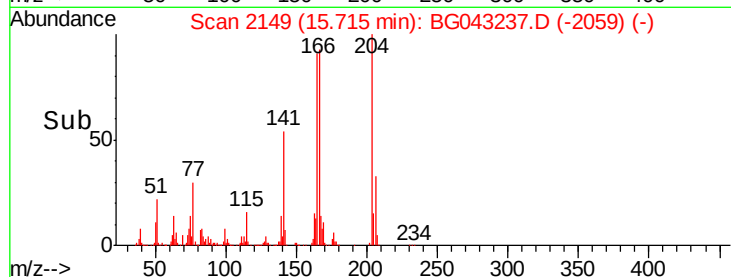
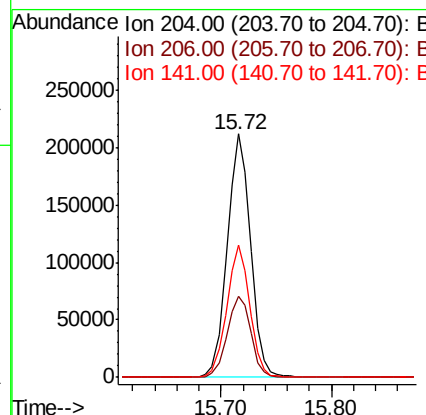
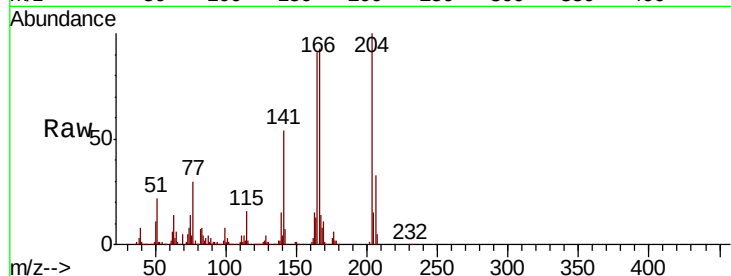
#61
4-Chlorophenyl-phenylether
Concen: 48.377 ng
RT: 15.72 min Scan# 2149
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	28.5	42.7
141	54.2	42.4	63.6

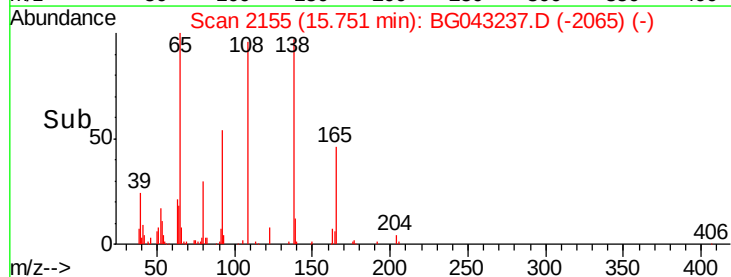
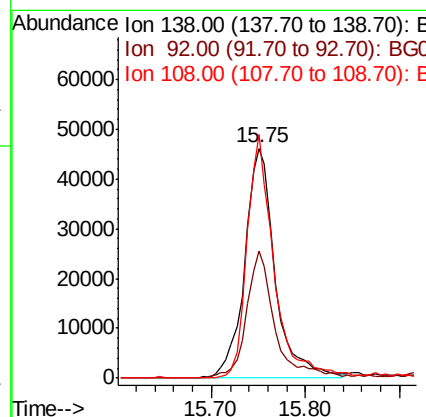
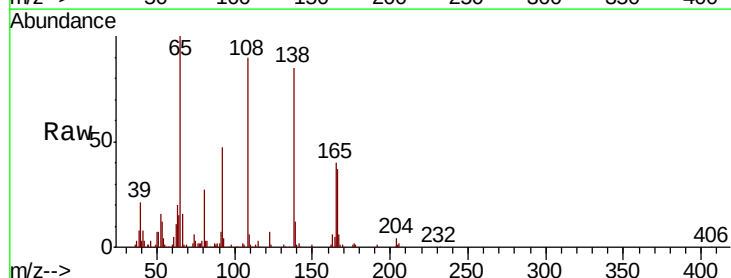
Manual Integrations
APPROVED

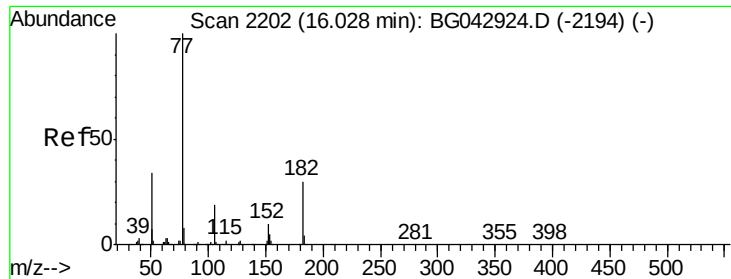
mohammad
10/17/2019 7:57:37 AM



#62
4-Nitroaniline
Concen: 39.174 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.5	32.9	72.9
108	106.0	81.3	121.3





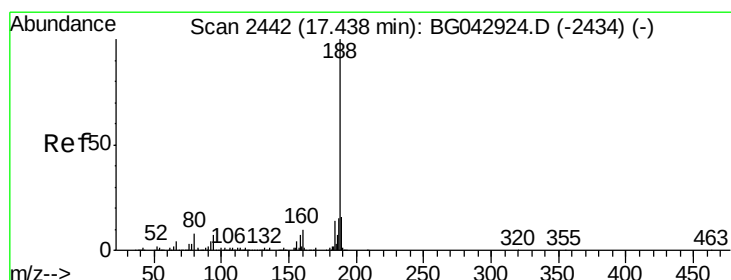
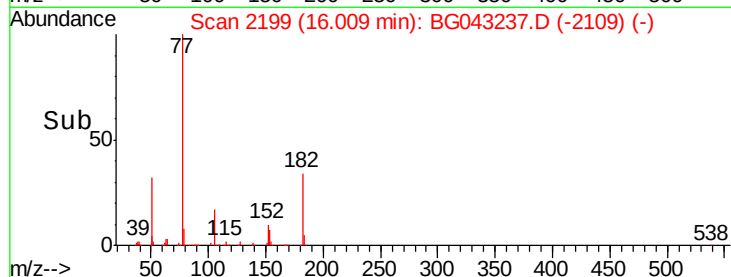
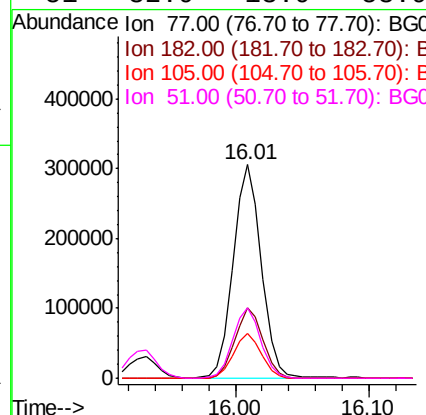
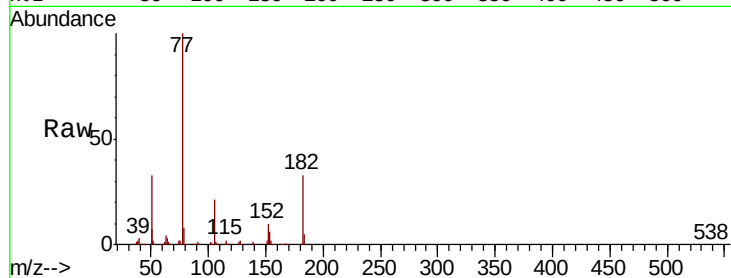
#63
Azobenzene
Concen: 44.012 ng
RT: 16.01 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion:	77	Resp:	448438
Ion Ratio	Lower	Upper	
77	100		
182	33.1	10.2	50.2
105	21.1	0.0	39.1
51	32.9	13.9	53.9

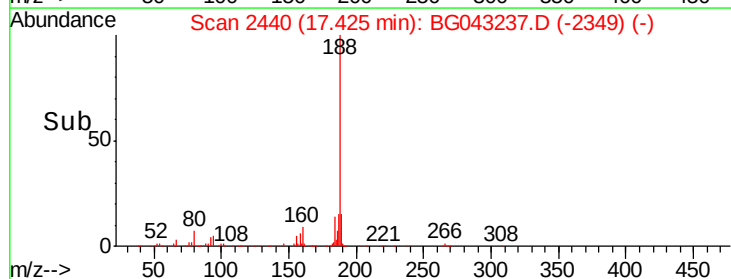
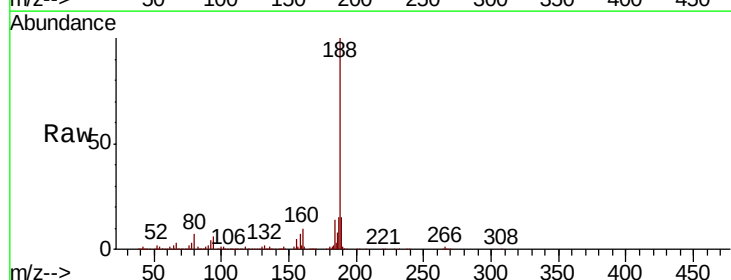
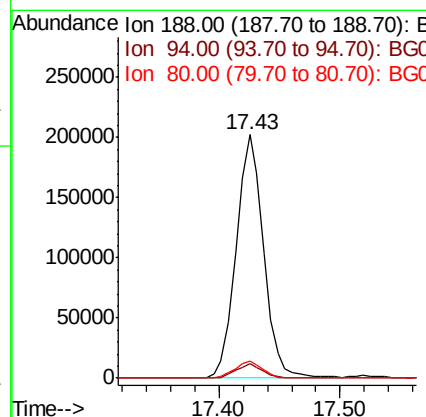
Manual Integrations
APPROVED

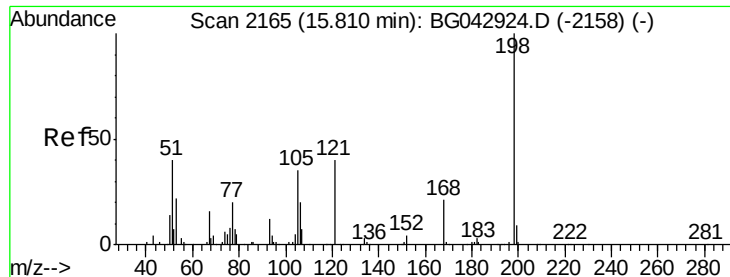
mohammad
10/17/2019 7:57:37 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2440
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion:	188	Resp:	319452
Ion Ratio	Lower	Upper	
188	100		
94	5.8	5.7	8.5
80	7.1	6.5	9.7





#65

4,6-Dinitro-2-methylphenol

Concen: 24.940 ng

RT: 15.80 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

ClientSampleId :

OR-03-101119MS

Tot Ion:198 Resp: 45083

Ion Ratio Lower Upper

198 100

51 40.6 25.3 65.3

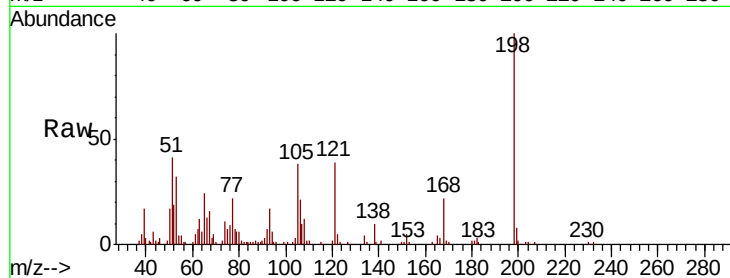
105 37.5 16.6 56.6

Manual Integrations

APPROVED

mohammad

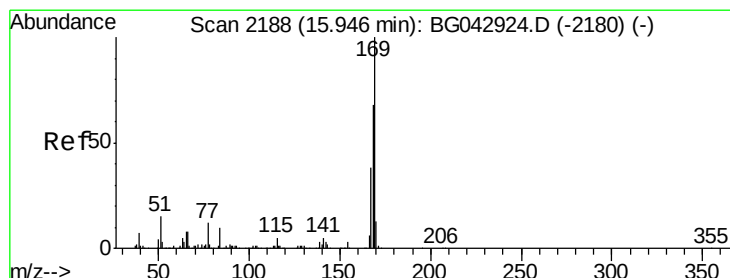
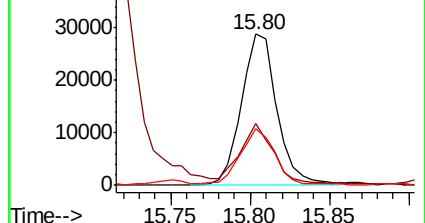
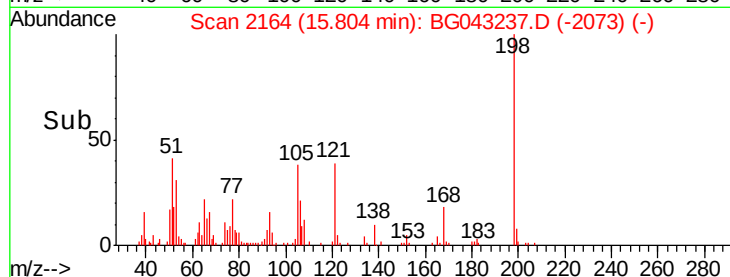
10/17/2019 7:57:37 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 55.917 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

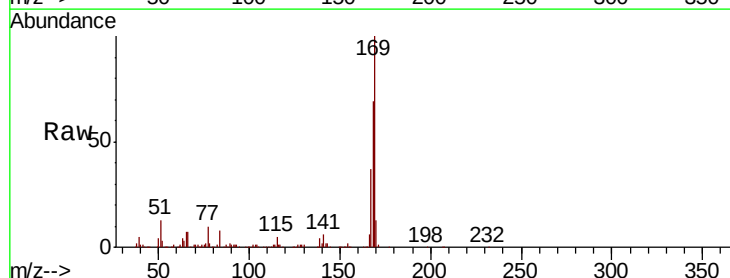
Tgt Ion:169 Resp: 471550

Ion Ratio Lower Upper

169 100

168 69.5 54.8 82.2

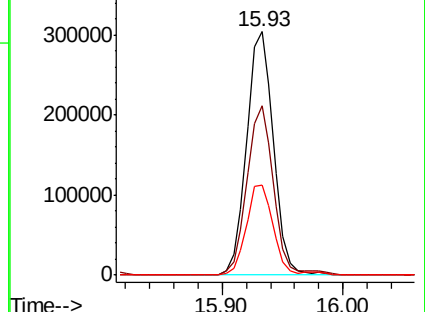
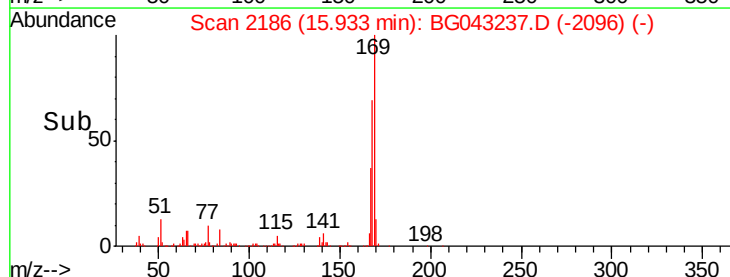
167 36.9 30.6 46.0

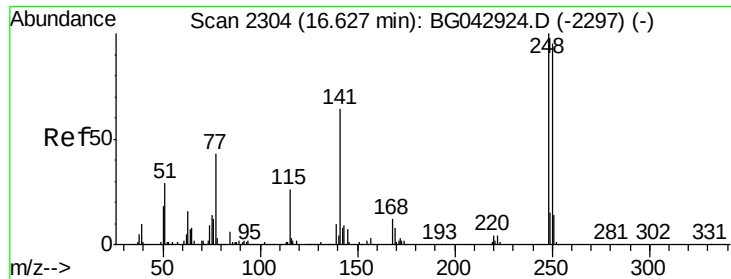


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





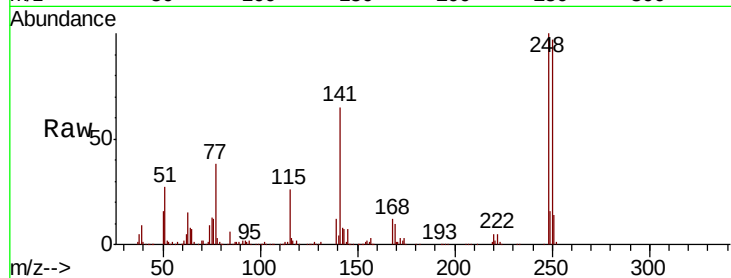
#67
4-Bromophenyl-phenylether
Concen: 54.808 ng
RT: 16.61 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	75.8	113.8
141	65.4	51.1	76.7

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

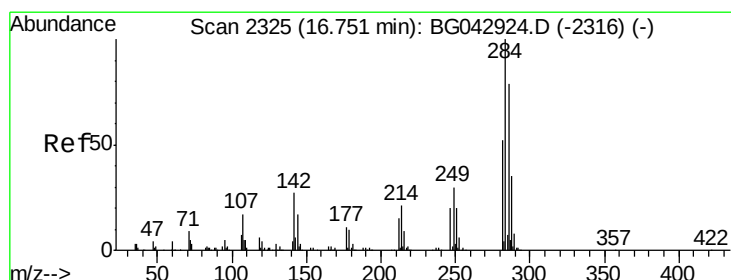
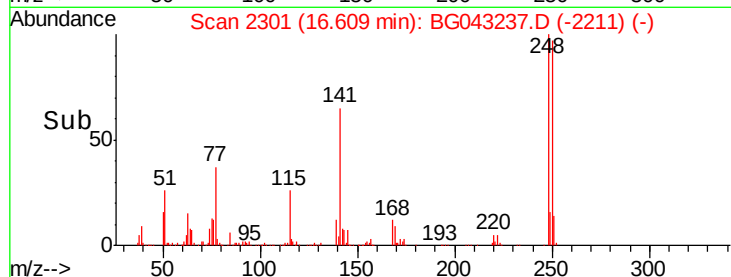
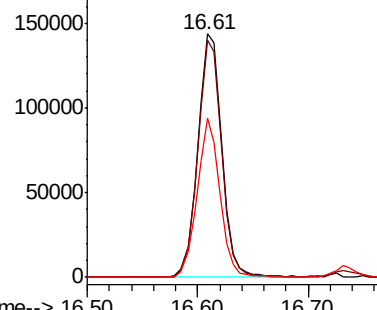


Abundance

Ion 248.00 (247.70 to 248.70): E

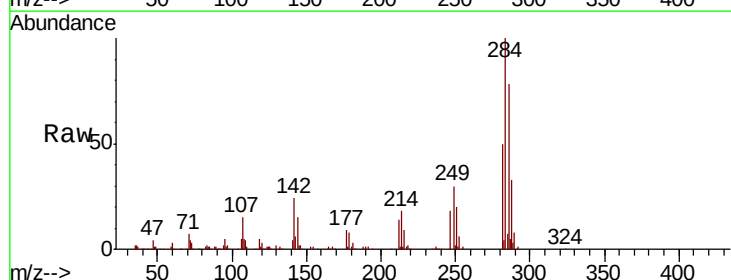
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 53.401 ng
RT: 16.74 min Scan# 2323
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.0	21.6	32.4
249	30.1	24.1	36.1

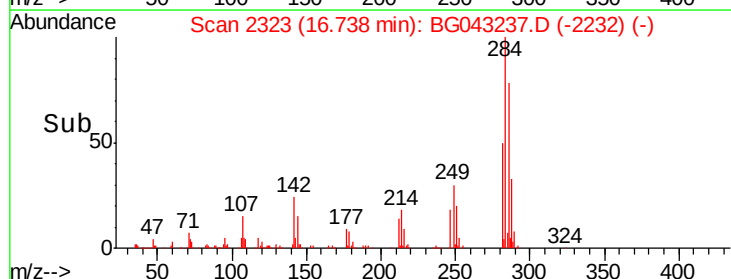
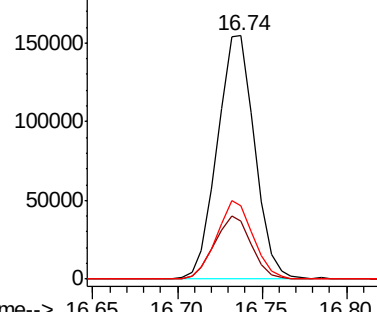


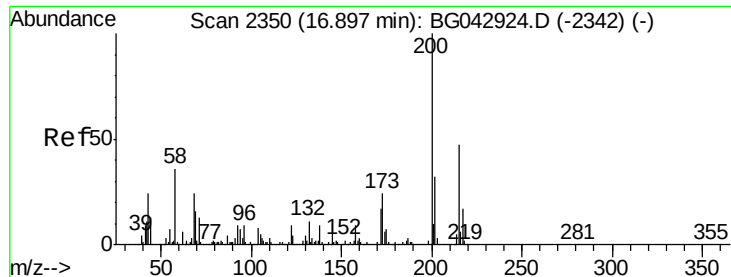
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





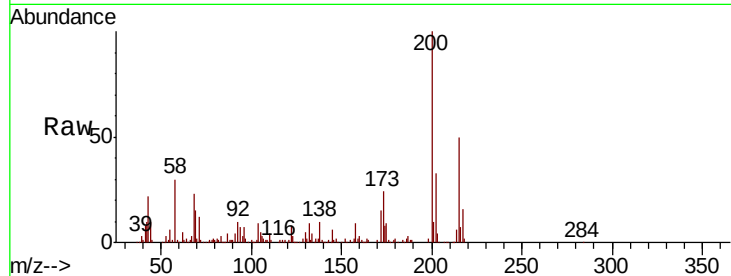
#69
Atrazine
Concen: 41.641 ng
RT: 16.88 min Scan# 2347
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

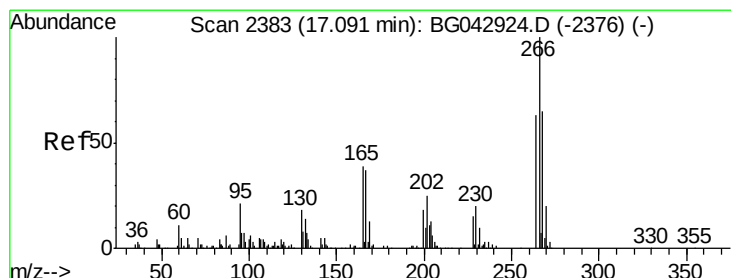
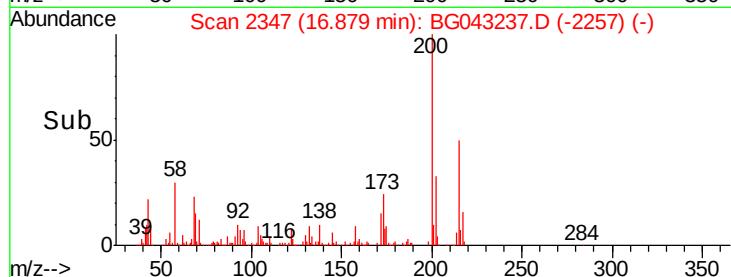
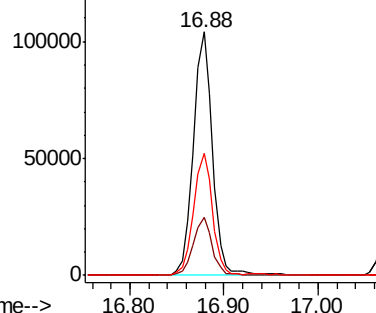
Tot Ion	Ratio	Lower	Upper
200	100		
173	23.8	4.0	44.0
215	50.2	27.4	67.4

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

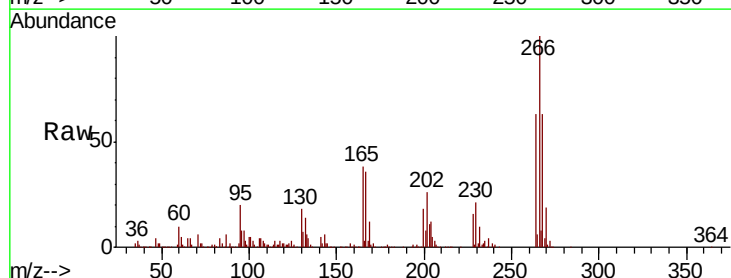


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

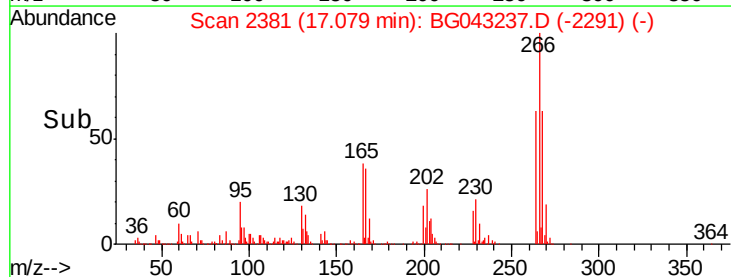
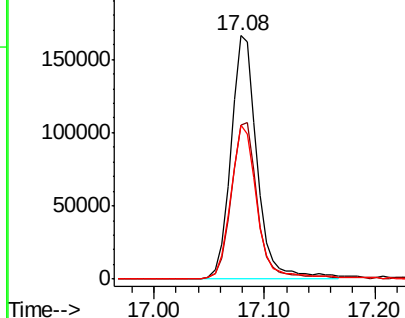


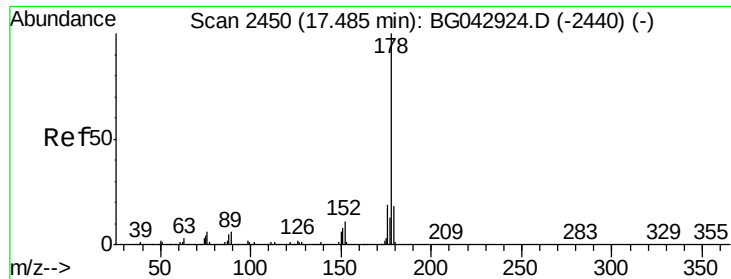
#70
Pentachlorophenol
Concen: 107.813 ng
RT: 17.08 min Scan# 2381
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.2	78.2
264	63.5	50.7	76.1



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





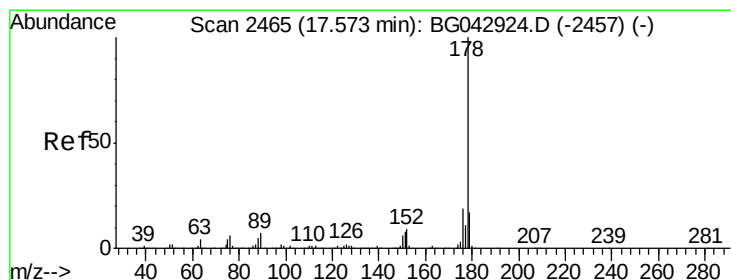
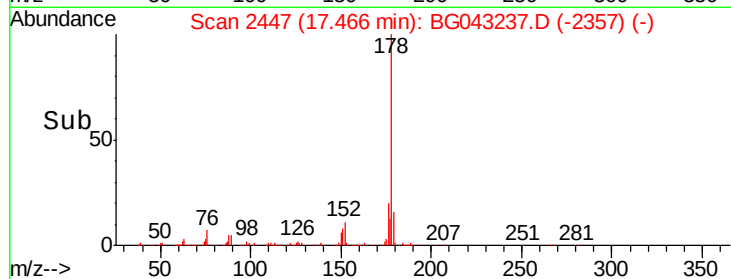
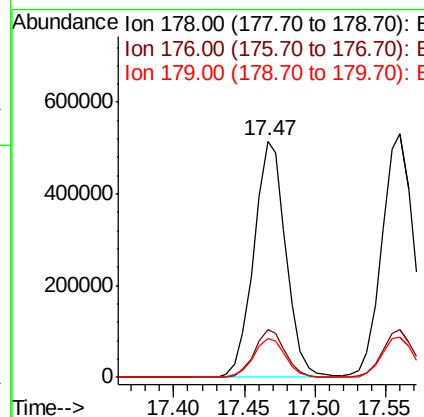
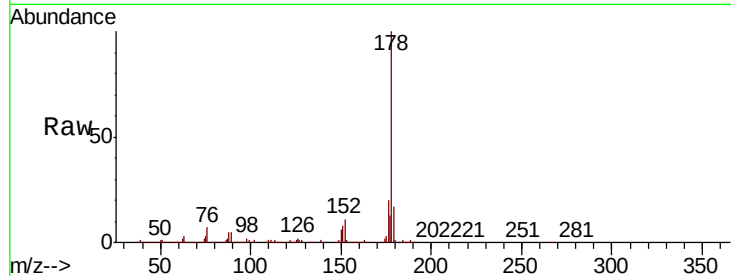
#71
Phenanthrene
Concen: 52.797 ng
RT: 17.47 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	16.6	14.1	21.1

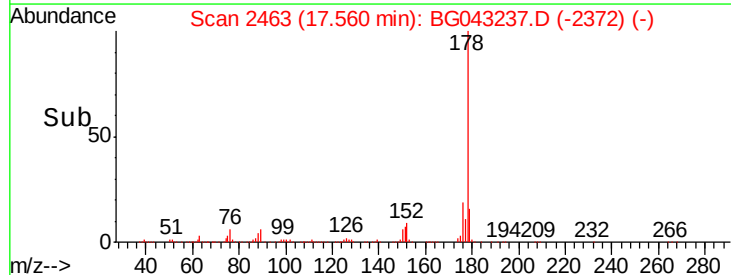
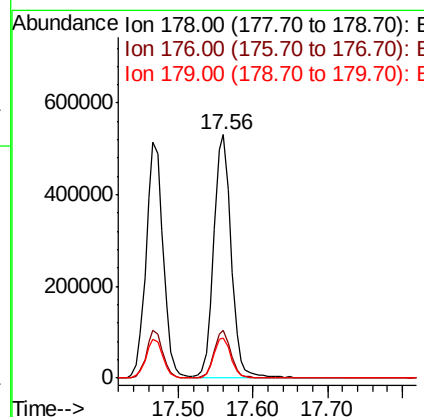
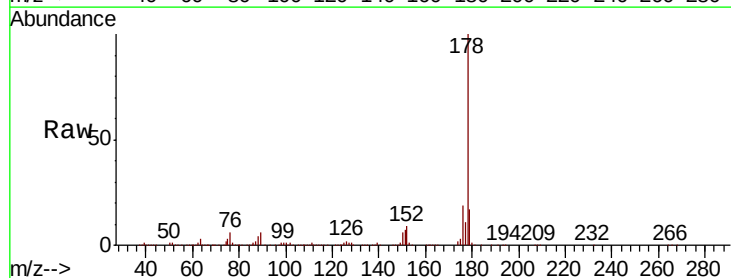
Manual Integrations
APPROVED

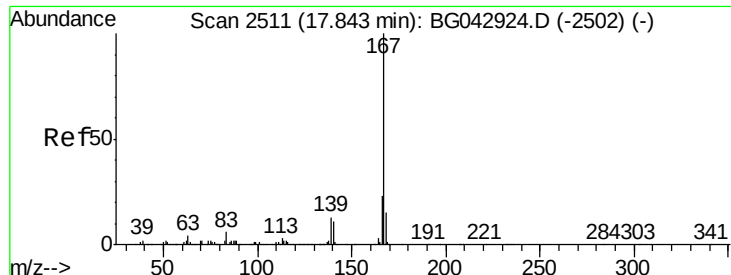
mohammad
10/17/2019 7:57:37 AM



#72
Anthracene
Concen: 55.048 ng
RT: 17.56 min Scan# 2463
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	16.5	13.5	20.3





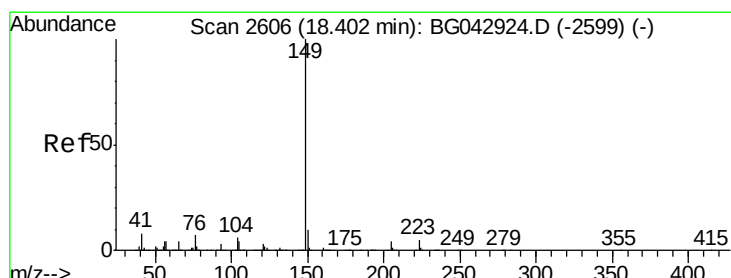
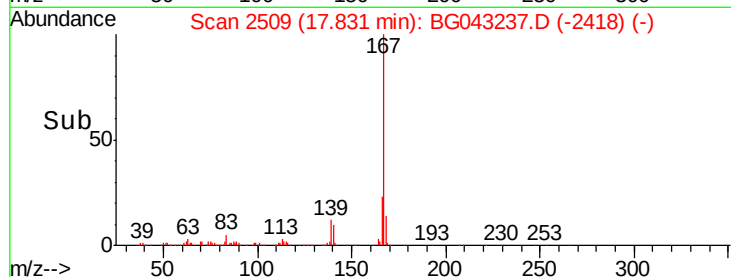
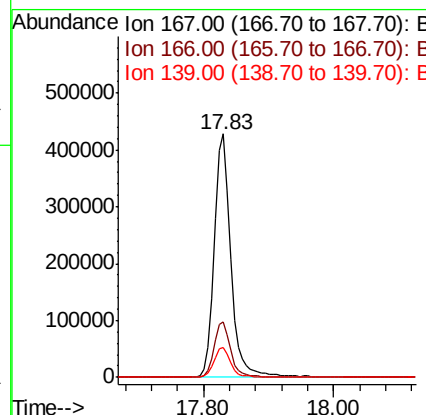
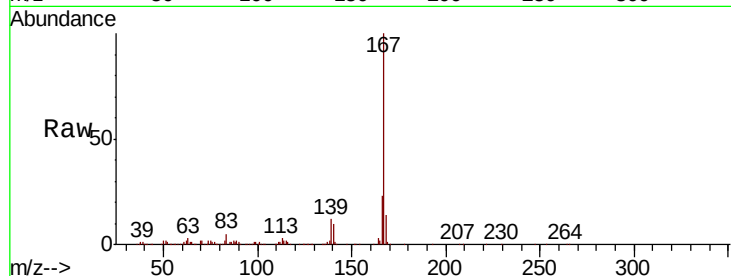
#73
 Carbazole
 Concen: 52.700 ng
 RT: 17.83 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	28.0
139	12.4	10.8	16.2

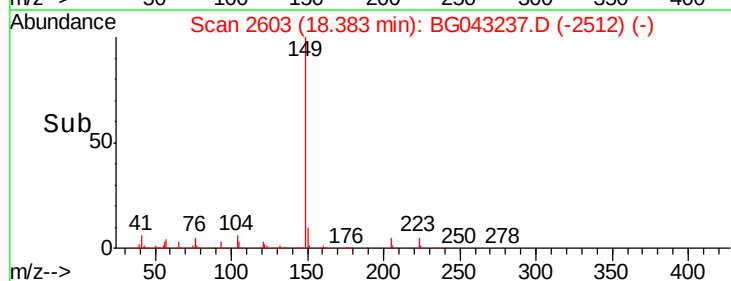
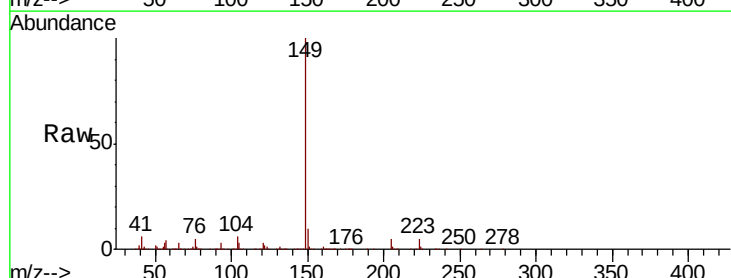
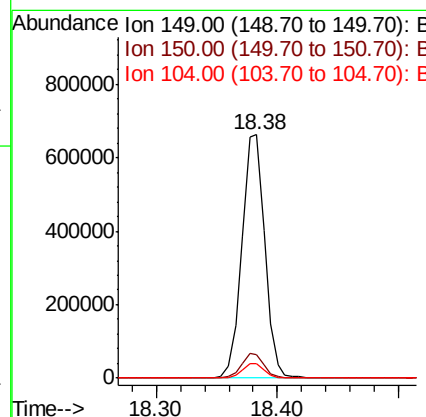
Manual Integrations
 APPROVED

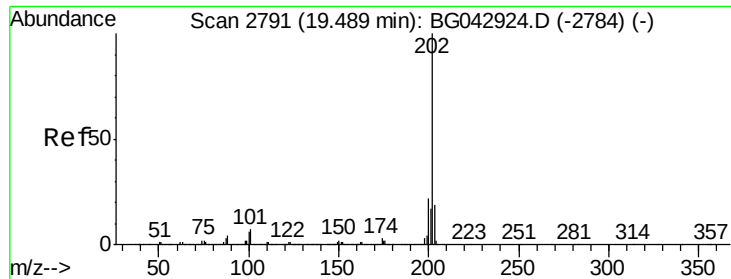
mohammad
 10/17/2019 7:57:37 AM



#74
 Di-n-butylphthalate
 Concen: 51.260 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.9	5.0	7.6





#75

Fluoranthene

Concen: 51.170 ng

RT: 19.48 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

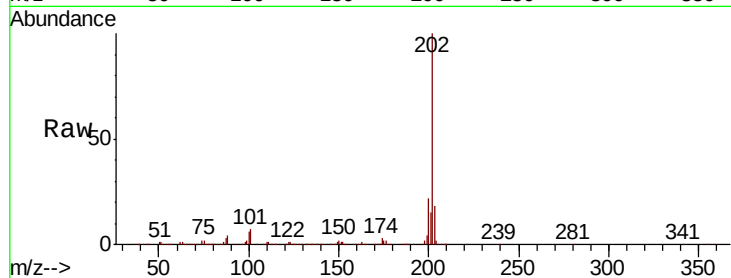
ClientSampleId :

OR-03-101119MS

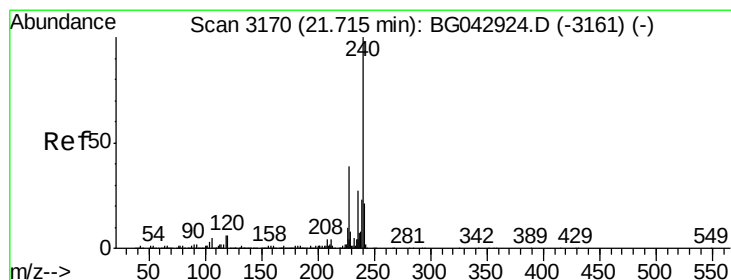
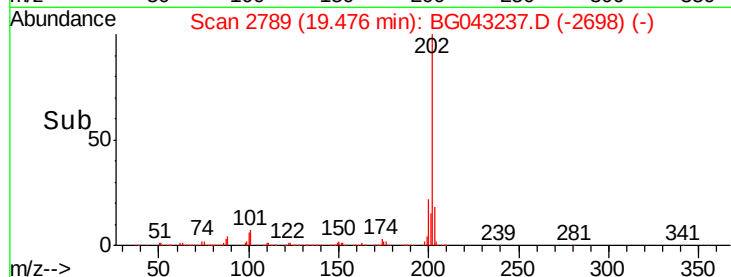
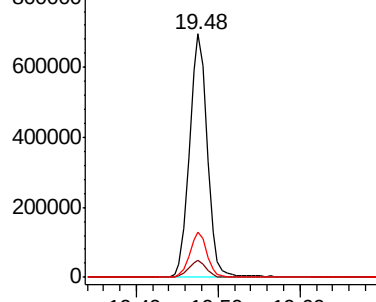
Tot Ion:	202	Resp:	1055544
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	27.3
203	18.5	0.0	39.5

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

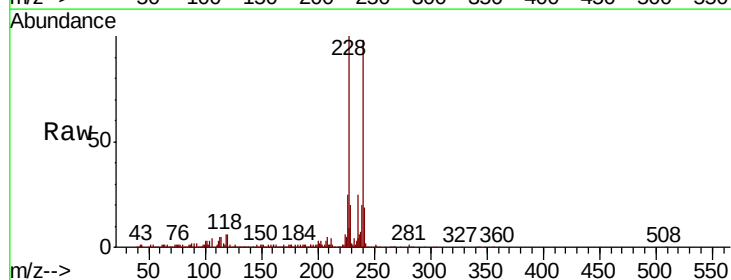
RT: 21.70 min Scan# 3167

Delta R.T. 0.01 min

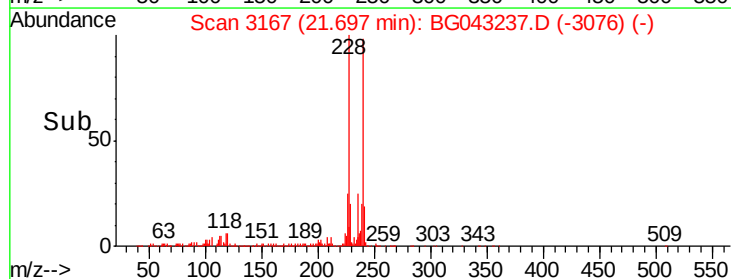
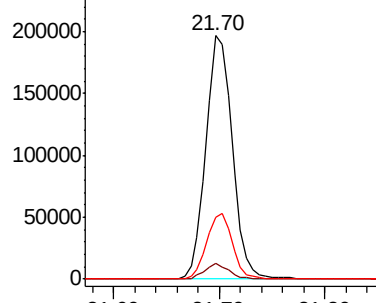
Lab File: BG043237.D

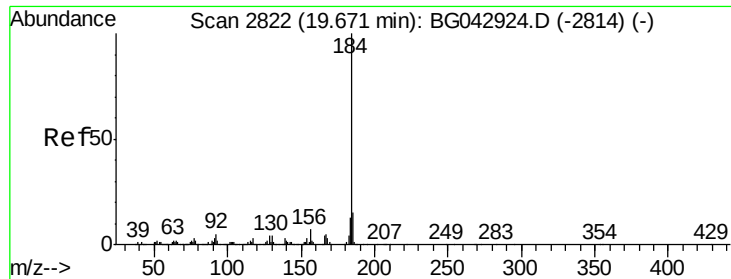
Acq: 16 Oct 2019 4:56

Tgt Ion:	240	Resp:	340487
Ion Ratio	Lower	Upper	
240	100		
120	6.3	4.8	7.2
236	25.2	21.4	32.0



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





#77

Benzidine

Concen: 9.304 ng

RT: 19.67 min Scan# 2822

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

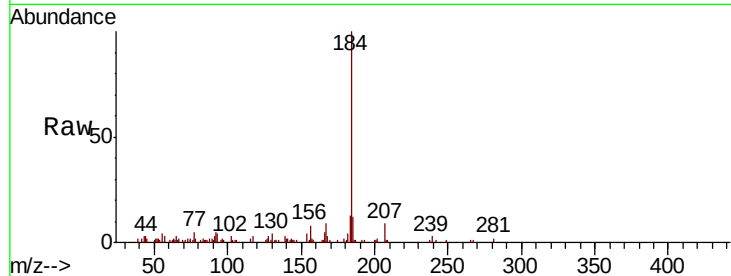
ClientSampleId :

OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	11.7	11.8	17.8#
183	13.2	10.1	15.1

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM

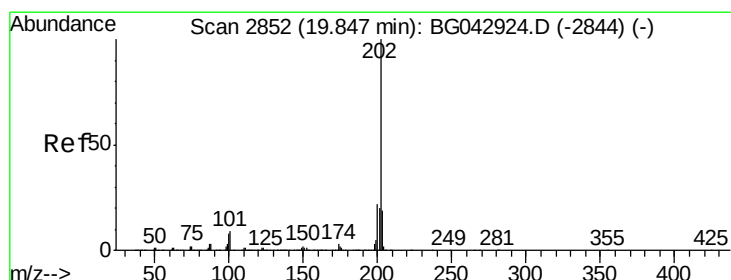
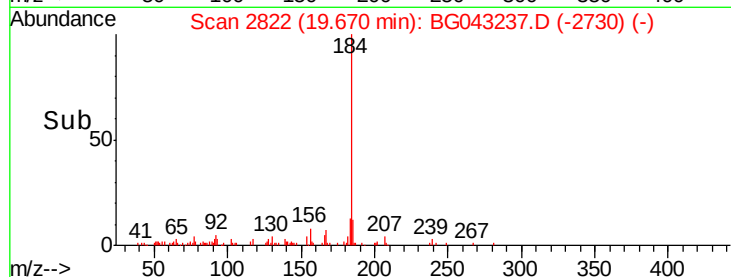
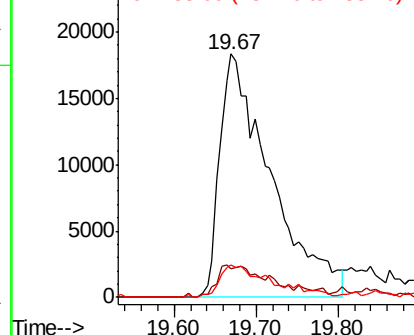


Abundance

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: 52.700 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

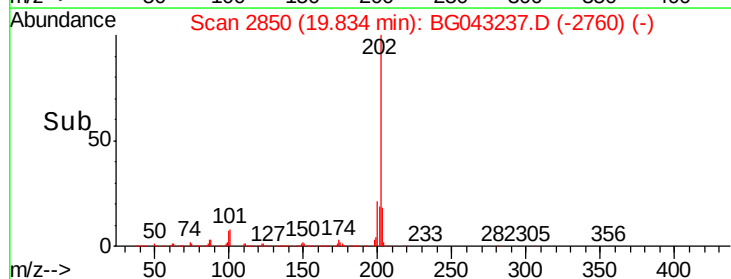
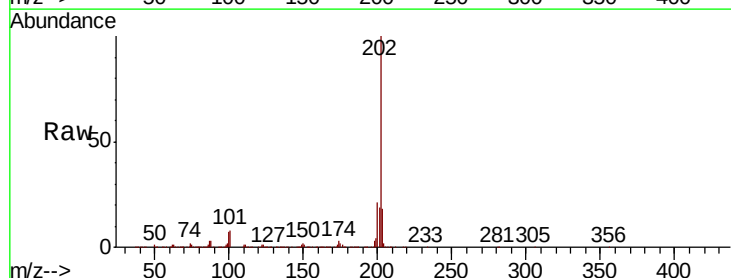
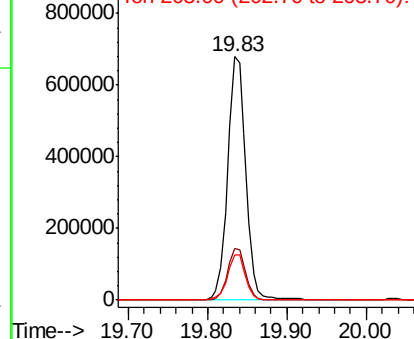
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.4	15.2	22.8

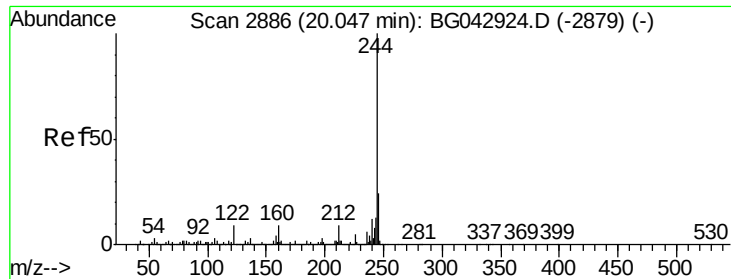
Abundance

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





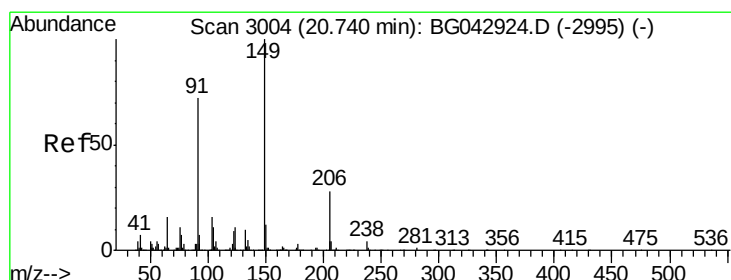
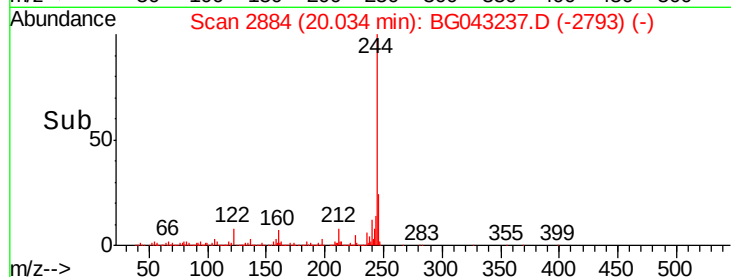
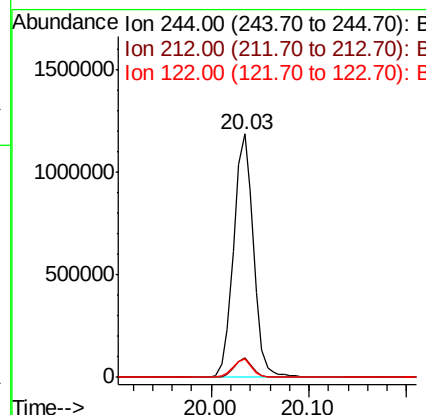
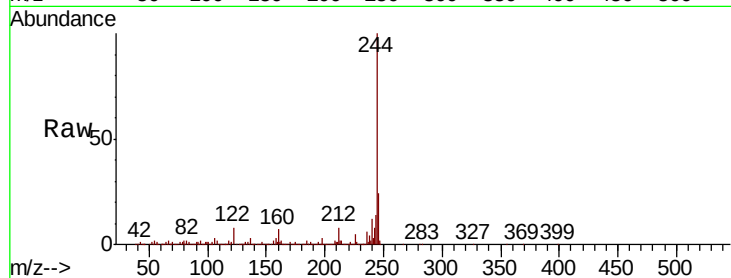
#79
 Terphenyl-d14
 Concen: 104.936 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.01 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.4	11.0
122	7.7	7.0	10.4

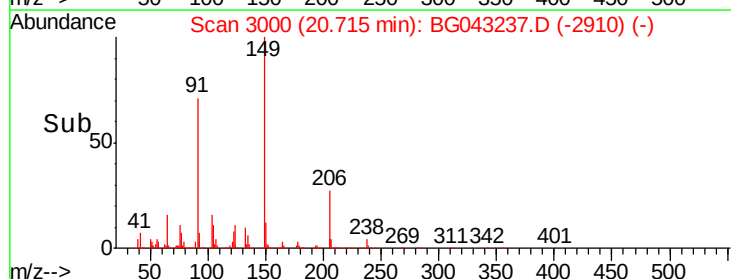
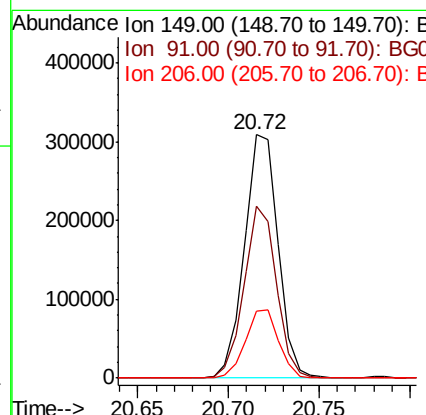
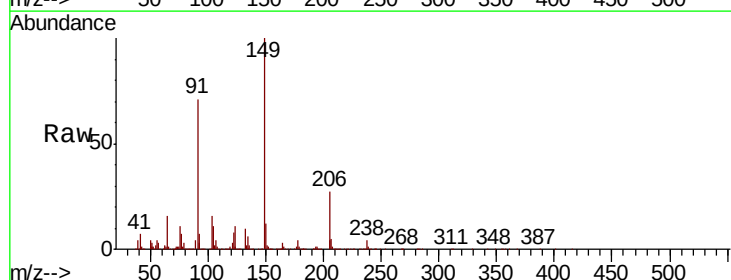
Manual Integrations
 APPROVED

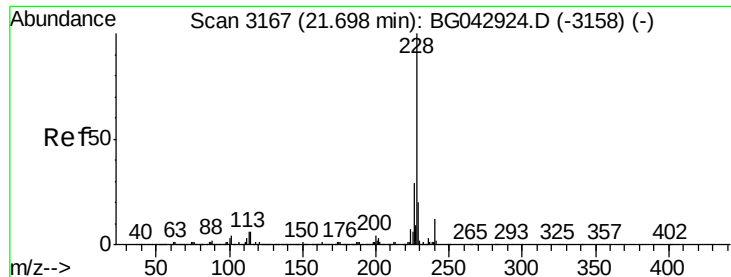
mohammad
 10/17/2019 7:57:37 AM



#80
 Butylbenzylphthalate
 Concen: 51.691 ng
 RT: 20.72 min Scan# 3000
 Delta R.T. 0.00 min
 Lab File: BG043237.D
 Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.7	57.7	86.5
206	27.4	22.6	33.8





#81

Benzo(a)anthracene

Concen: 51.042 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

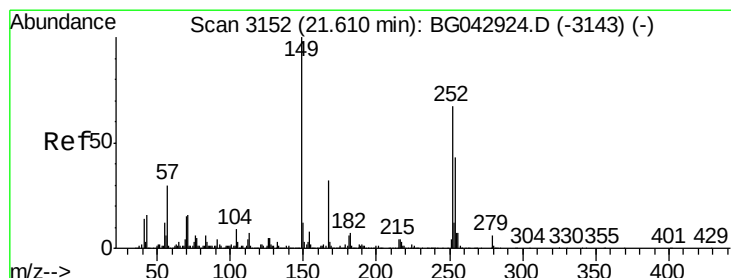
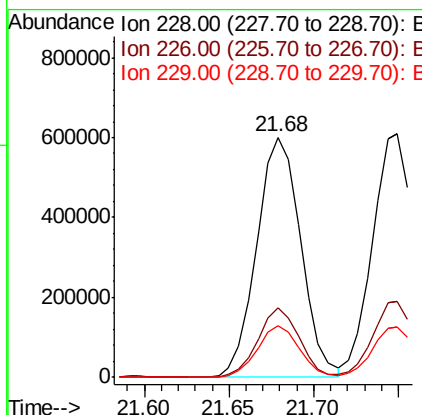
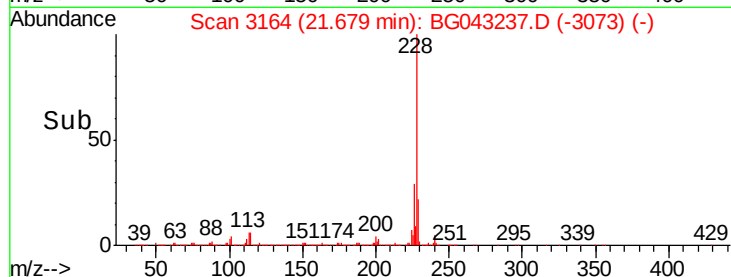
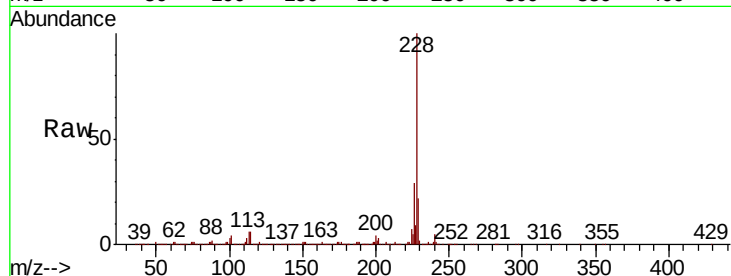
ClientSampleId :

OR-03-101119MS

Tot Ion:	228	Resp:	1082870
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.0	34.4
229	21.6	16.3	24.5

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#82

3,3'-Dichlorobenzidine

Concen: 32.777 ng

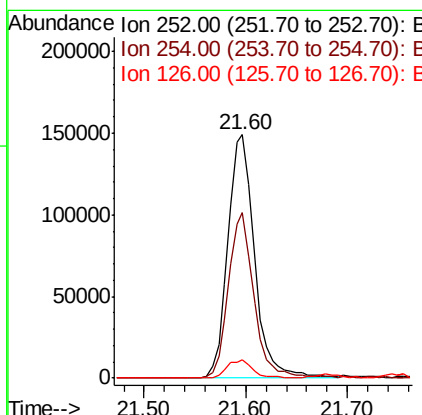
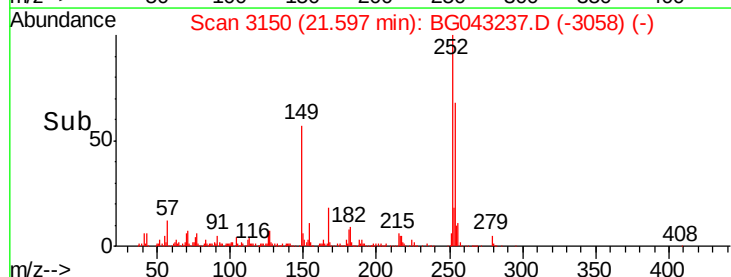
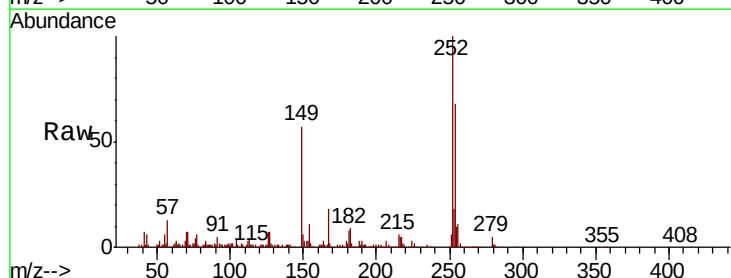
RT: 21.60 min Scan# 3150

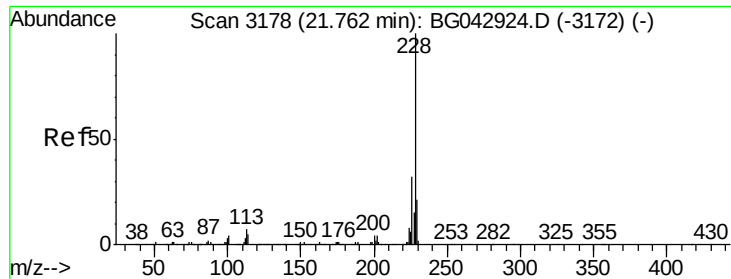
Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	252	Resp:	272735
Ion	Ratio	Lower	Upper
252	100		
254	67.8	51.9	77.9
126	7.4	6.1	9.1





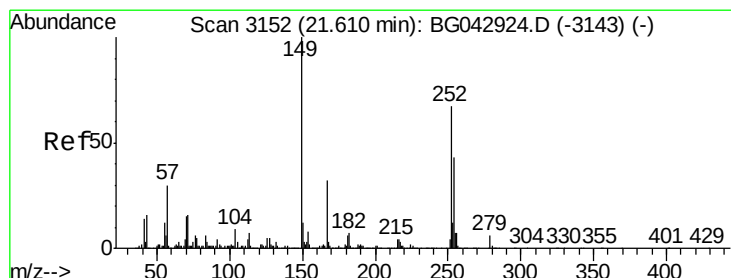
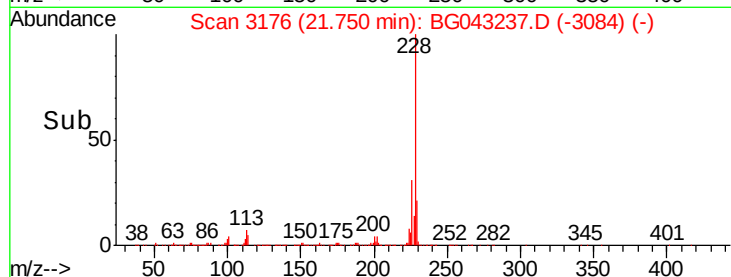
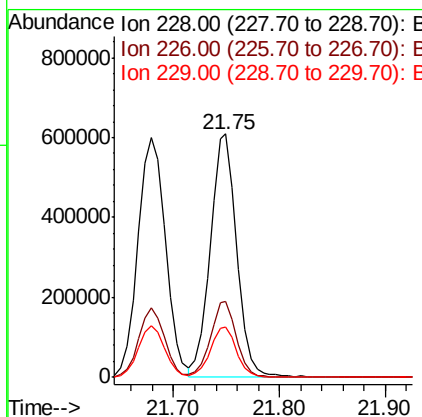
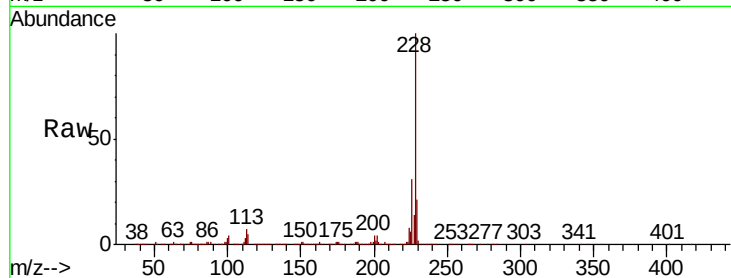
#83
Chrysene
Concen: 51.507 ng
RT: 21.75 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.6	38.4
229	20.8	16.9	25.3

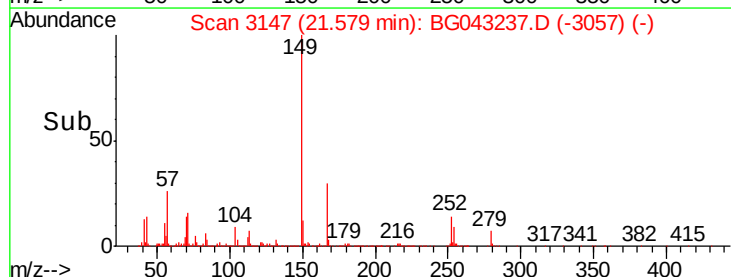
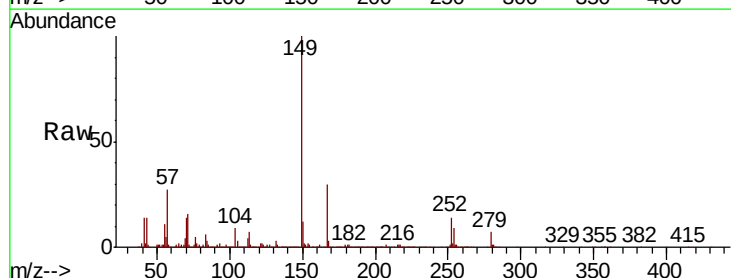
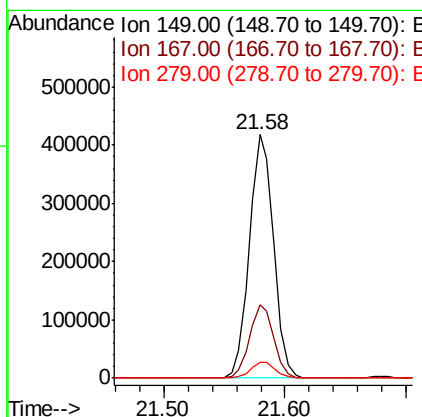
Manual Integrations
APPROVED

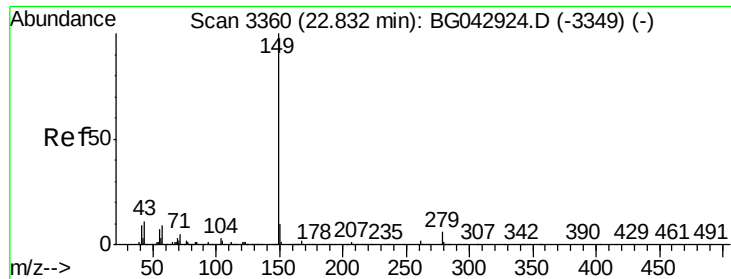
mohammad
10/17/2019 7:57:37 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.017 ng
RT: 21.58 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.4	25.4	38.2
279	6.7	5.1	7.7





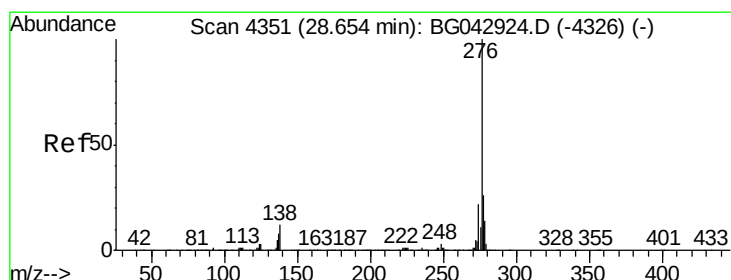
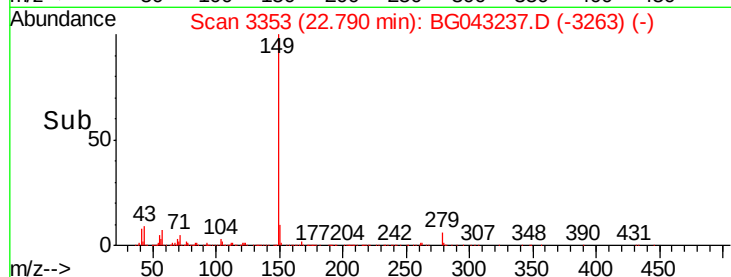
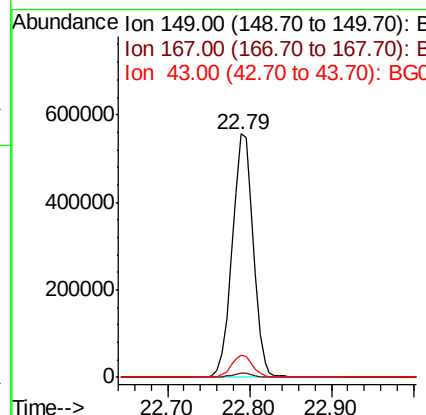
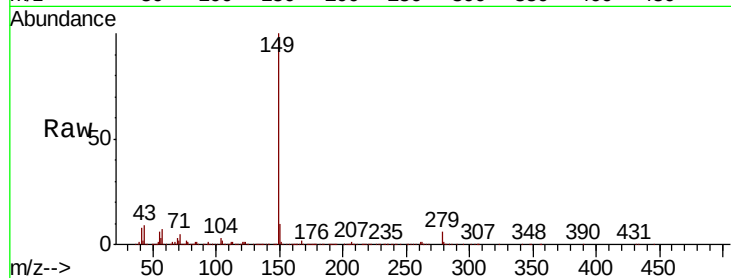
#85
Di-n-octyl phthalate
Concen: 55.222 ng
RT: 22.79 min Scan# 3353
Delta R.T. 0.00 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	991159		
167	1.9		1.4	2.0
43	8.8		8.7	13.1

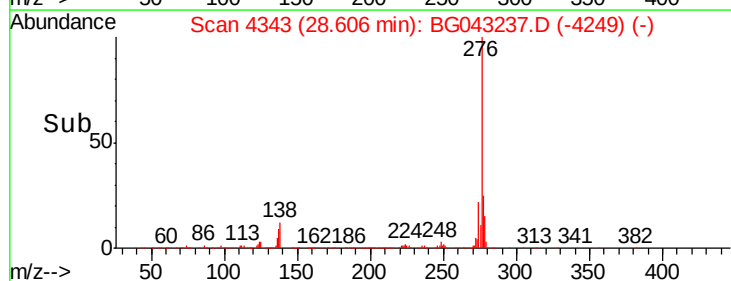
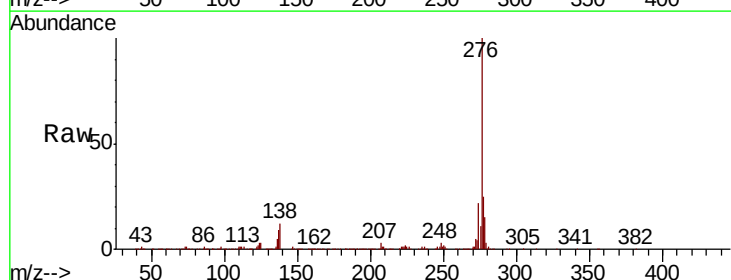
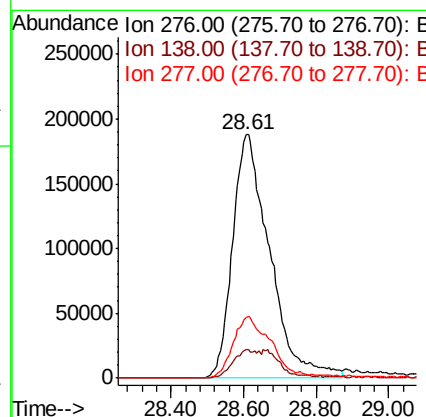
Manual Integrations
APPROVED

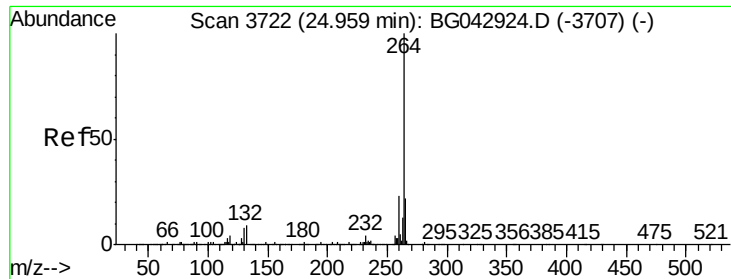
mohammad
10/17/2019 7:57:37 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 52.066 ng
RT: 28.61 min Scan# 4343
Delta R.T. 0.02 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	1334472		
138	6.0		7.0	10.6#
277	24.8		20.9	31.3





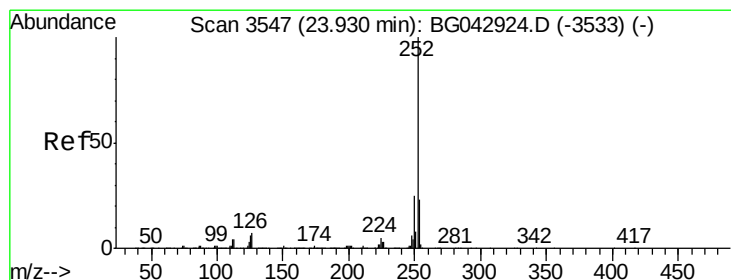
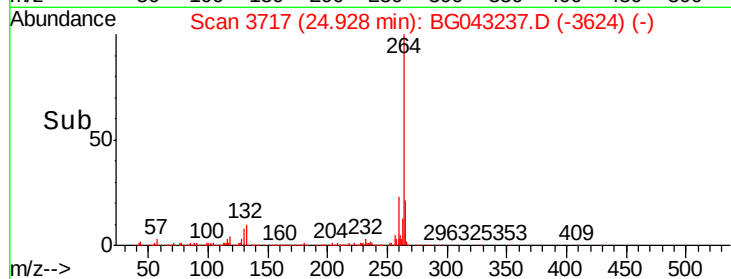
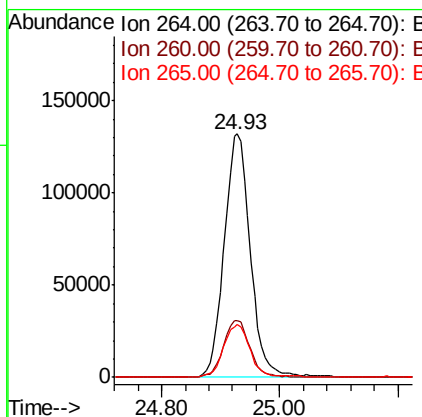
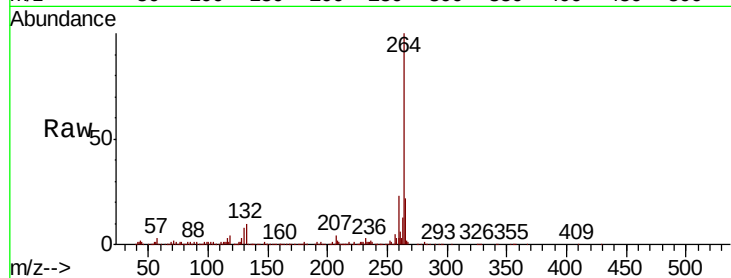
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. 0.02 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.7	17.7	26.5

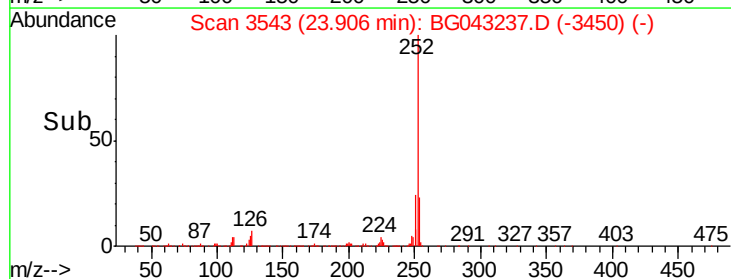
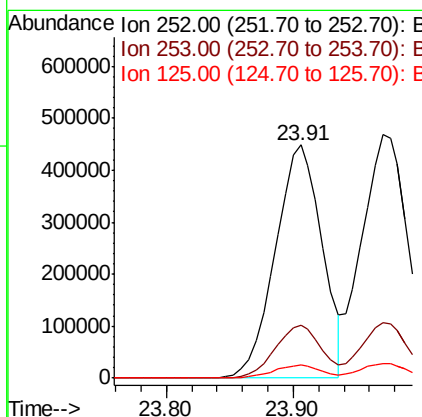
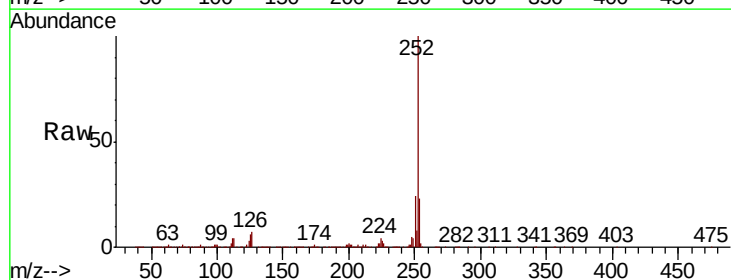
Manual Integrations
APPROVED

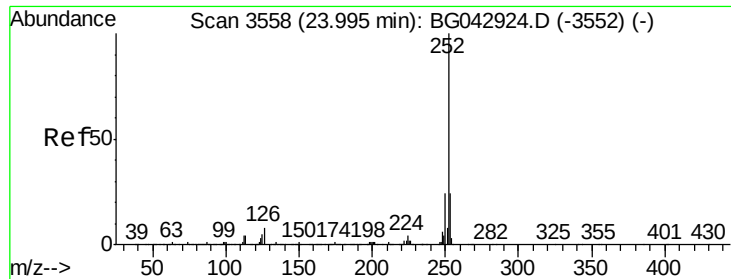
mohammad
10/17/2019 7:57:37 AM



#88
Benzo(b)fluoranthene
Concen: 49.757 ng
RT: 23.91 min Scan# 3543
Delta R.T. 0.02 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	5.5	4.6	7.0





#89

Benzo(k)fluoranthene

Concen: 52.217 ng

RT: 23.97 min Scan# 3554

Delta R.T. 0.01 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Instrument :

BNA_G

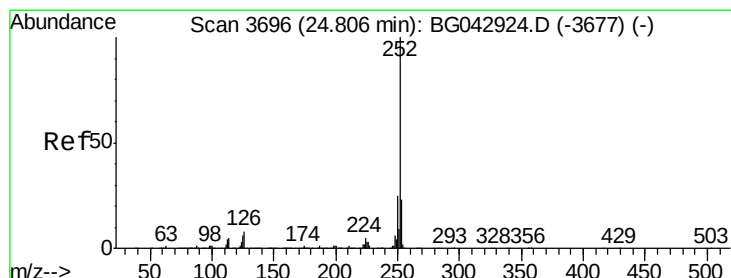
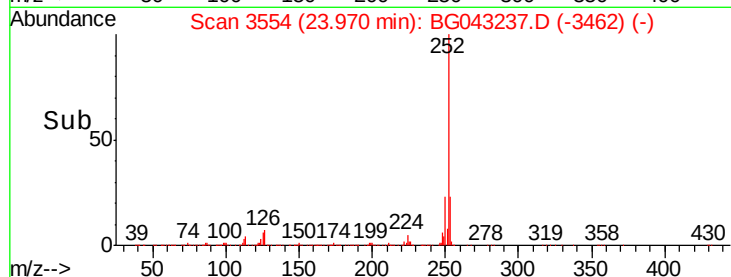
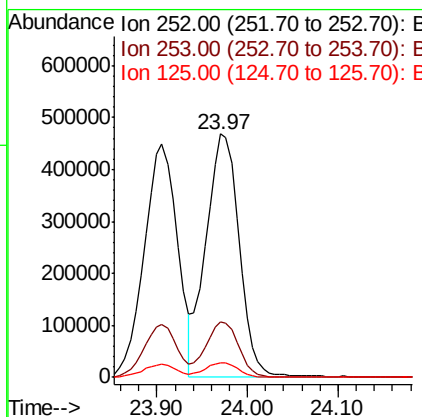
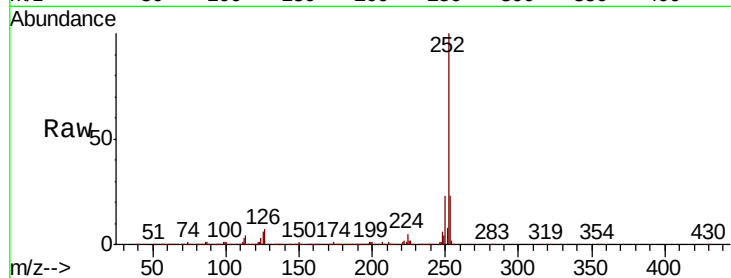
ClientSampleId :

OR-03-101119MS

Tot Ion:	252	Resp:	1191241
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.9	28.3
125	6.0	4.5	6.7

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#90

Benzo(a)pyrene

Concen: 52.706 ng

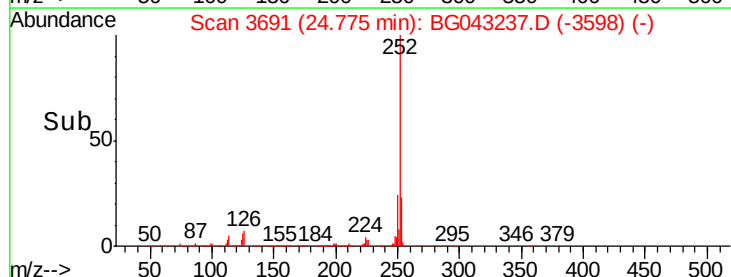
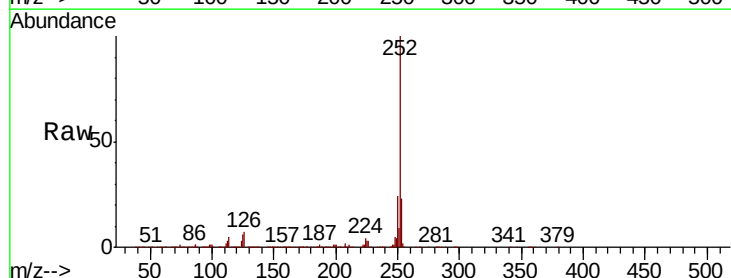
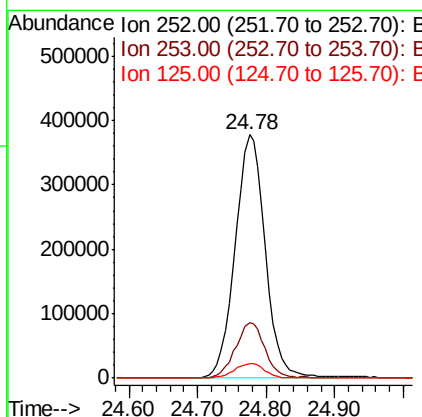
RT: 24.78 min Scan# 3691

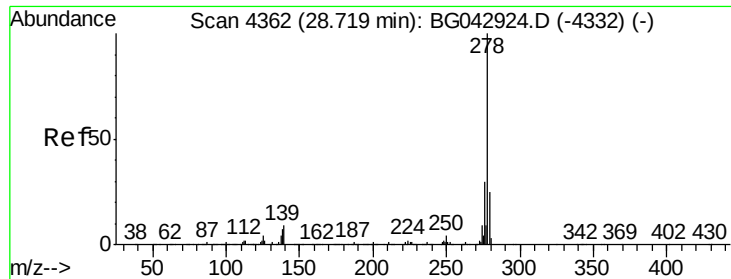
Delta R.T. 0.02 min

Lab File: BG043237.D

Acq: 16 Oct 2019 4:56

Tgt Ion:	252	Resp:	1146712
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.4
125	6.0	5.0	7.6





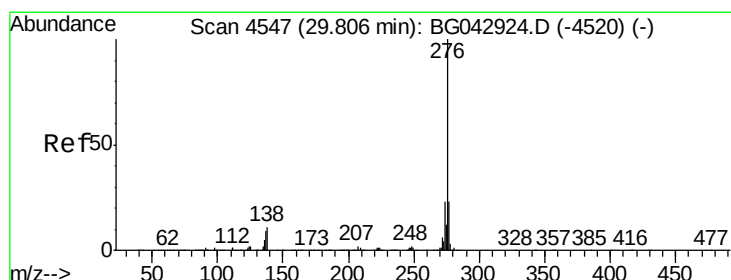
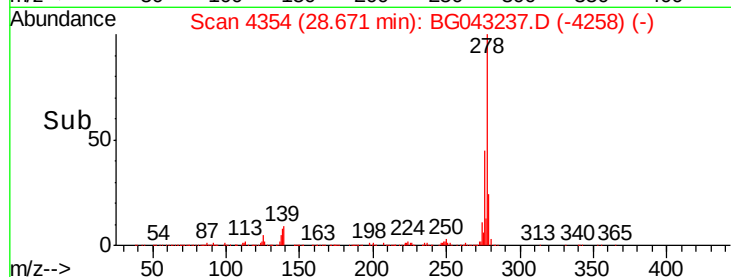
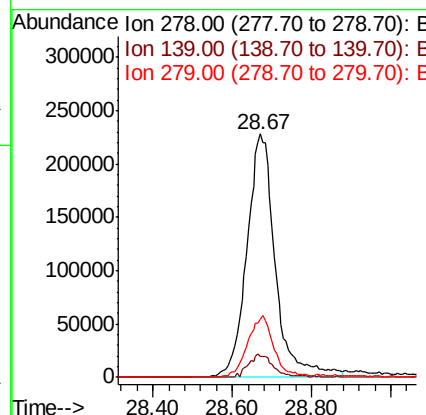
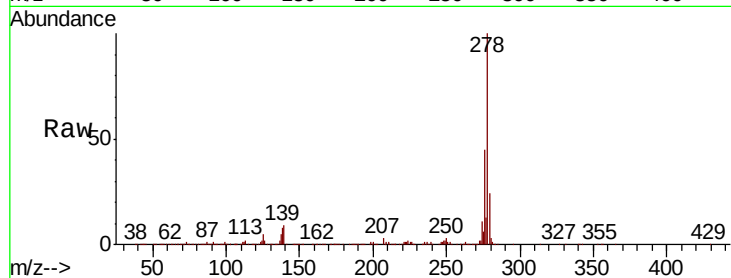
#91
Dibenzo(a,h)anthracene
Concen: 51.065 ng
RT: 28.67 min Scan# 4354
Delta R.T. 0.04 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Instrument :
BNA_G
ClientSampleId :
OR-03-101119MS

Tot Ion:278 Resp: 1139242
Ion Ratio Lower Upper
278 100
139 8.6 6.8 10.2
279 23.9 20.1 30.1

Manual Integrations
APPROVED

mohammad
10/17/2019 7:57:37 AM



#92
Benzo(g,h,i)perylene
Concen: 46.573 ng
RT: 29.75 min Scan# 4538
Delta R.T. 0.03 min
Lab File: BG043237.D
Acq: 16 Oct 2019 4:56

Tgt Ion:276 Resp: 1006742
Ion Ratio Lower Upper
276 100
277 23.6 18.4 27.6
138 11.7 8.6 12.8

