

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044265.D
 Acq On : 31 Jan 2020 18:25
 Operator : CG/JU
 Sample : L1331-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:10:51 PM

Quant Time: Feb 01 00:18:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	78934	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	359933	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	254544	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	527138	20.00	ng	0.00
76) Chrysene-d12	21.55	240	441437	20.00	ng	0.00
87) Perylene-d12	24.64	264	511080	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	589164	131.73	ng	0.00
7) Phenol-d6	7.09	99	823709	137.15	ng	0.00
23) Nitrobenzene-d5	9.07	82	491144	77.04	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	334049	111.79	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1120831	73.74	ng	0.00
79) Terphenyl-d14	19.91	244	1629867	75.94	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.38	88	86241	42.917	ng	99
3) Pyridine	3.77	79	218780	40.865	ng	98
4) n-Nitrosodimethylamine	3.69	42	107689	48.136	ng	97
6) Aniline	7.24	93	256476	34.403	ng	98
8) 2-Chlorophenol	7.48	128	307040	62.464	ng	99
9) Benzaldehyde	7.05	77	130784	38.234	ng	97
10) Phenol	7.11	94	408779	68.772	ng	98
11) bis(2-Chloroethyl)ether	7.34	93	259040	50.975	ng	96
12) 1,3-Dichlorobenzene	7.81	146	283899	48.373	ng	99
13) 1,4-Dichlorobenzene	7.95	146	287456	49.453	ng	99
14) 1,2-Dichlorobenzene	8.27	146	276146	50.261	ng	100
15) Benzyl Alcohol	8.15	79	252416	59.363	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.45	45	351820	51.152	ng	99
17) 2-Methylphenol	8.36	107	268970	63.423	ng	98
18) Hexachloroethane	9.00	117	105516	48.374	ng	99
19) n-Nitroso-di-n-propylamine	8.72	70	220995	55.211	ng	98
20) 3+4-Methylphenols	8.69	107	370218	63.344	ng	98
22) Acetophenone	8.73	105	409673	46.787	ng	# 99
24) Nitrobenzene	9.12	77	310749	49.927	ng	98
25) Isophorone	9.64	82	613205	51.604	ng	100
26) 2-Nitrophenol	9.83	139	174829	54.134	ng	98
27) 2,4-Dimethylphenol	9.90	122	304819	66.863	ng	98
28) bis(2-Chloroethoxy)methane	10.13	93	391369	49.371	ng	98
29) 2,4-Dichlorophenol	10.37	162	318103	57.706	ng	99
30) 1,2,4-Trichlorobenzene	10.58	180	296638	46.930	ng	99
31) Naphthalene	10.77	128	879365	50.356	ng	99
32) Benzoic acid	10.06	122	113155	40.728	ng	91
33) 4-Chloroaniline	10.87	127	137191	17.274	ng	97
34) Hexachlorobutadiene	11.07	225	171593	44.119	ng	99
35) Caprolactam	11.64	113	119267m	59.063	ng	
36) 4-Chloro-3-methylphenol	12.01	107	345402	59.763	ng	99
37) 2-Methylnaphthalene	12.38	142	678304	52.315	ng	99
38) 1-Methylnaphthalene	12.59	142	652869	53.409	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.75	216	337493	44.324	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044265.D
 Acq On : 31 Jan 2020 18:25
 Operator : CG/JU
 Sample : L1331-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

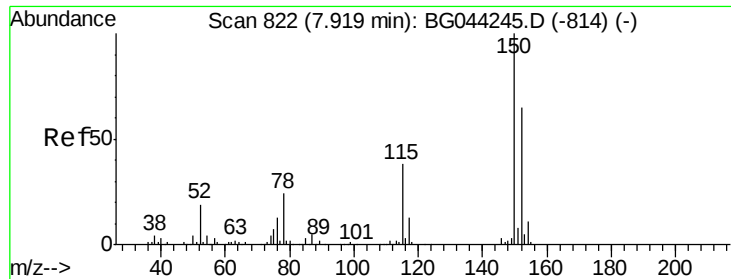
Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:10:51 PM

Quant Time: Feb 01 00:18:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.73	237	415733	113.789	ng	99
43) 2,4,6-Trichlorophenol	12.99	196	257226	52.264	ng	100
44) 2,4,5-Trichlorophenol	13.06	196	275549	54.814	ng	98
46) 1,1'-Biphenyl	13.39	154	888119	48.371	ng	99
47) 2-Chloronaphthalene	13.43	162	694103	47.507	ng	100
48) 2-Nitroaniline	13.63	65	210418	48.800	ng	99
49) Acenaphthylene	14.27	152	1101738	51.412	ng	100
50) Dimethylphthalate	14.01	163	1039532	56.813	ng	100
51) 2,6-Dinitrotoluene	14.13	165	204884	50.220	ng	99
52) Acenaphthene	14.62	154	678617	48.856	ng	98
53) 3-Nitroaniline	14.45	138	110399	24.459	ng	100
54) 2,4-Dinitrophenol	14.66	184	210117	86.259	ng	99
55) Dibenzofuran	14.96	168	1055020	50.167	ng	100
56) 4-Nitrophenol	14.78	139	354648	107.267	ng	97
57) 2,4-Dinitrotoluene	14.91	165	281212	49.180	ng	99
58) Fluorene	15.60	166	829876	50.101	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.18	232	238965	52.628	ng	99
60) Diethylphthalate	15.38	149	895964	49.143	ng	100
61) 4-Chlorophenyl-phenylether	15.60	204	439429	48.928	ng	98
62) 4-Nitroaniline	15.62	138	204299	45.298	ng	98
63) Azobenzene	15.89	77	817191	51.141	ng	99
65) 4,6-Dinitro-2-methylphenol	15.68	198	163384	56.150	ng	98
66) n-Nitrosodiphenylamine	15.81	169	778327	52.687	ng	99
67) 4-Bromophenyl-phenylether	16.49	248	288849	50.295	ng	99
68) Hexachlorobenzene	16.61	284	310461	48.252	ng	97
69) Atrazine	16.76	200	286751	56.632	ng	98
70) Pentachlorophenol	16.96	266	327717	99.908	ng	97
71) Phenanthrene	17.34	178	1274851	49.944	ng	99
72) Anthracene	17.44	178	1309690	51.897	ng	99
73) Carbazole	17.70	167	1160181	49.868	ng	99
74) Di-n-butylphthalate	18.27	149	1426305	49.611	ng	100
75) Fluoranthene	19.35	202	1450101	49.108	ng	98
77) Benzidine	19.53	184	439464	35.891	ng	98
78) Pyrene	19.71	202	1447983	51.077	ng	99
80) Butylbenzylphthalate	20.60	149	666038	51.555	ng	98
81) Benzo(a)anthracene	21.52	228	1394258	51.248	ng	100
82) 3,3'-Dichlorobenzidine	21.44	252	288257	27.300	ng	98
83) Chrysene	21.59	228	1333984	50.727	ng	99
84) Bis(2-ethylhexyl)phthalate	21.45	149	930134	52.308	ng	99
85) Di-n-octyl phthalate	22.62	149	1610342	52.340	ng	99
86) Indeno(1,2,3-cd)pyrene	28.15	276	1720793	50.156	ng	98
88) Benzo(b)fluoranthene	23.67	252	1490774	50.620	ng	99
89) Benzo(k)fluoranthene	23.73	252	1443146	50.278	ng	100
90) Benzo(a)pyrene	24.50	252	1379462	49.541	ng	98
91) Dibenzo(a,h)anthracene	28.21	278	1451246	52.663	ng	98
92) Benzo(g,h,i)perylene	29.25	276	1429128	51.805	ng	99

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



#1

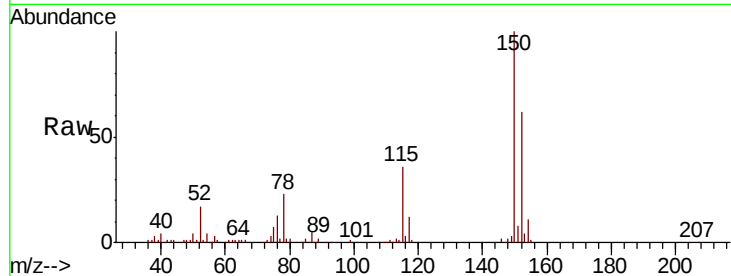
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	122.6	183.8
115	57.4	46.0	69.0

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM

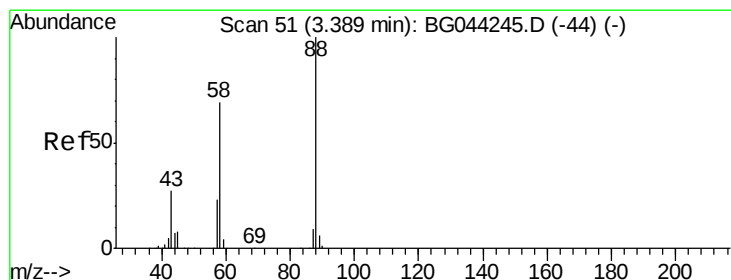
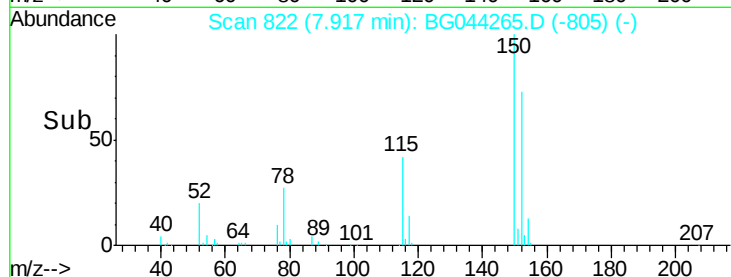
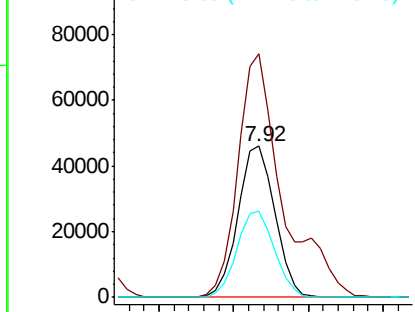


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

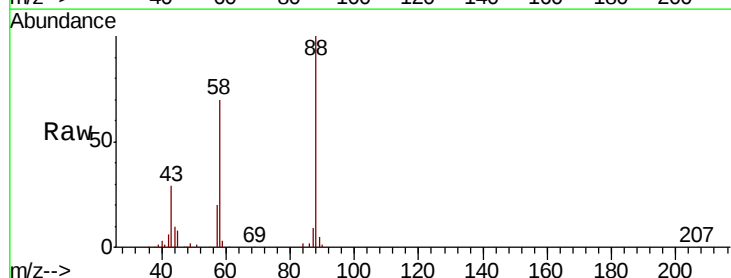
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 42.917 ng
RT: 3.38 min Scan# 49
Delta R.T. -0.01 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.9	55.8	83.6
43	29.3	21.6	32.4

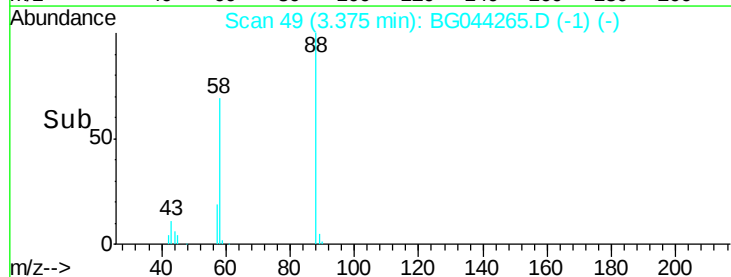
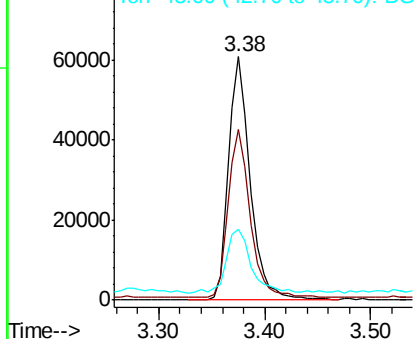


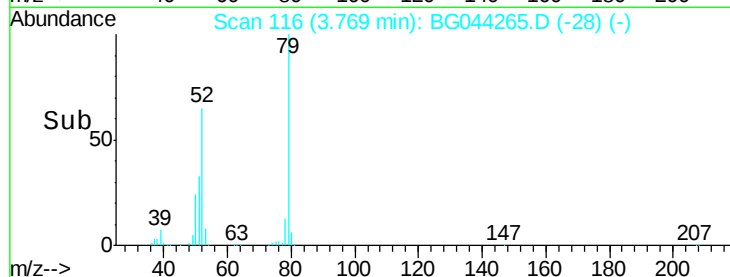
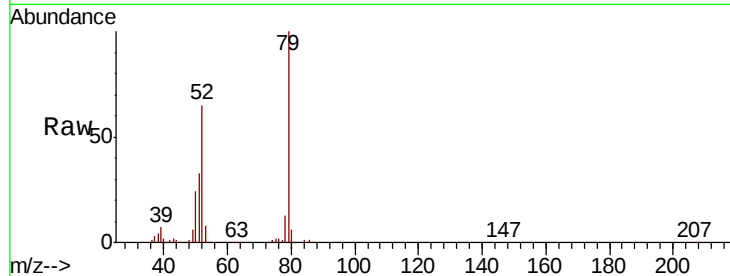
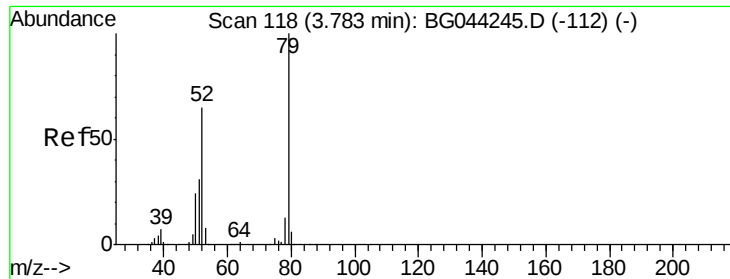
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





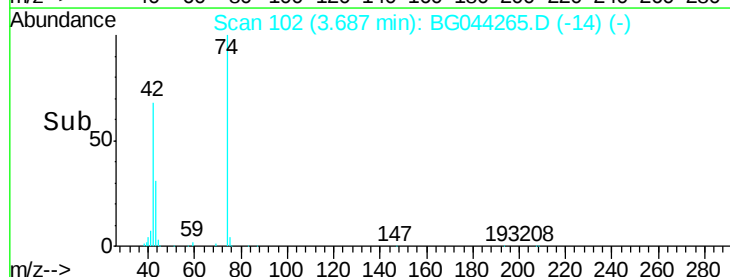
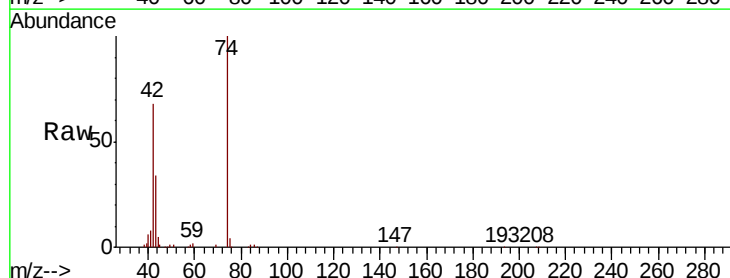
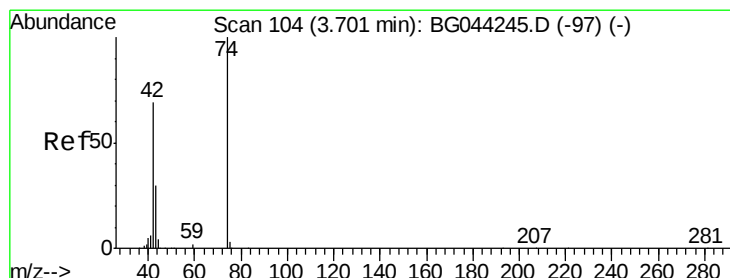
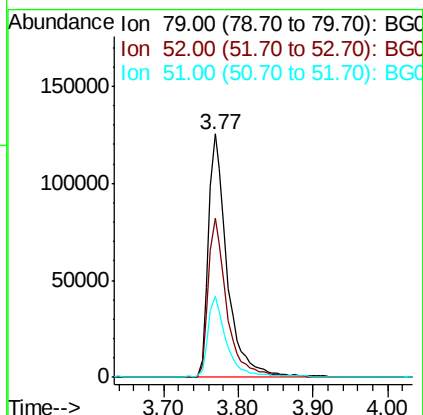
#3
Pvridine
Concen: 40.865 ng
RT: 3.77 min Scan# 116
Delta R.T. -0.01 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		218780		
52	65.5	51.9	77.9		
51	33.4	25.3	37.9		

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

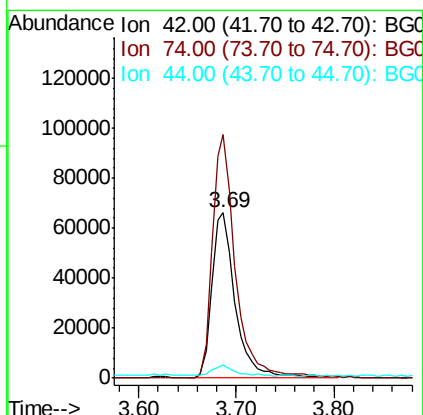
Manual Integrations
APPROVED

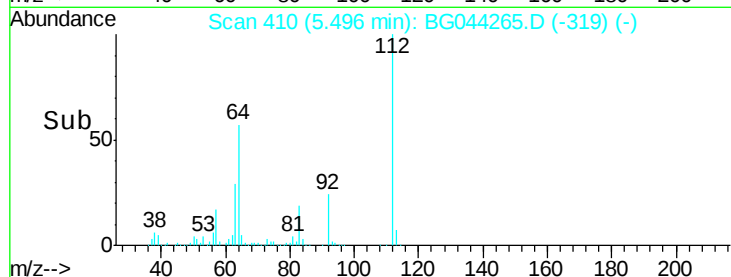
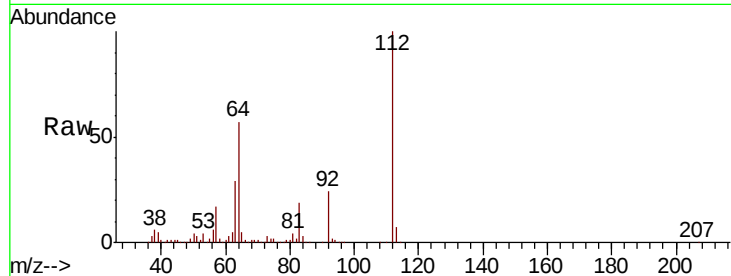
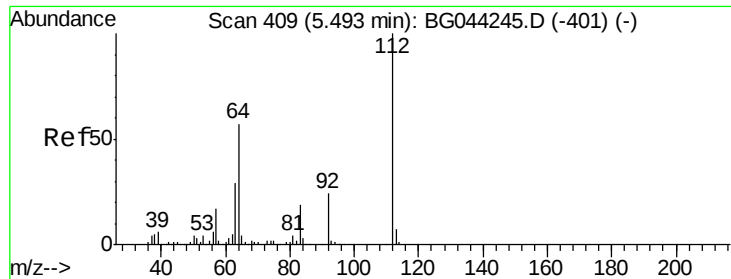
mohammad
2/3/2020 4:10:51 PM



#4
n-Nitrosodimethylamine
Concen: 48.136 ng
RT: 3.69 min Scan# 102
Delta R.T. -0.01 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		107689		
74	147.2	115.1	172.7		
44	7.8	5.6	8.4		





#5

2-Fluorophenol

Concen: 131.728 ng

RT: 5.50 min Scan# 410

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tot Ion:	112	Resp:	589164
Ion Ratio	Lower	Upper	
112	100		
64	57.0	45.4	68.2
63	29.0	22.9	34.3

Instrument :

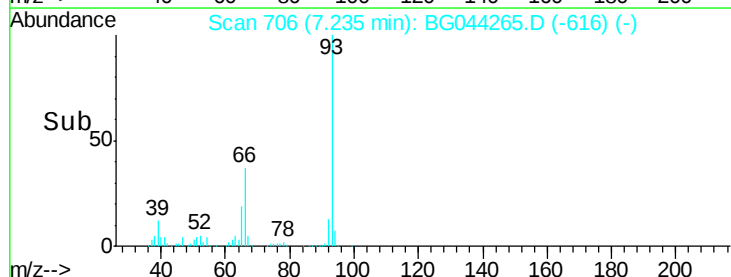
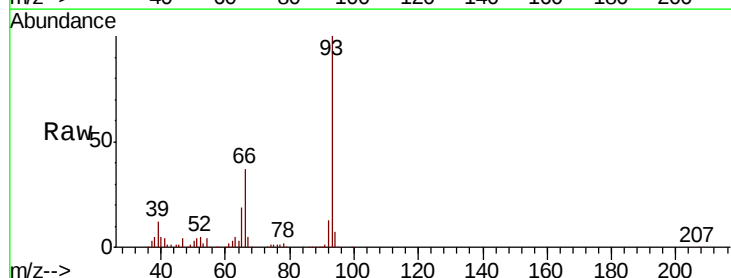
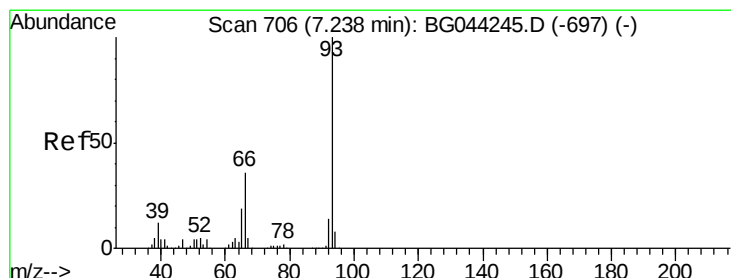
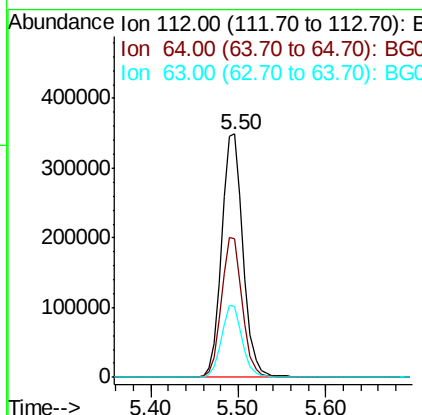
BNA_G

ClientSampleId :

C-1_013020MSD

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#6

Aniline

Concen: 34.403 ng

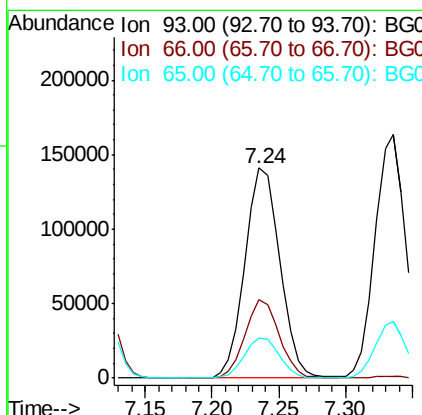
RT: 7.24 min Scan# 706

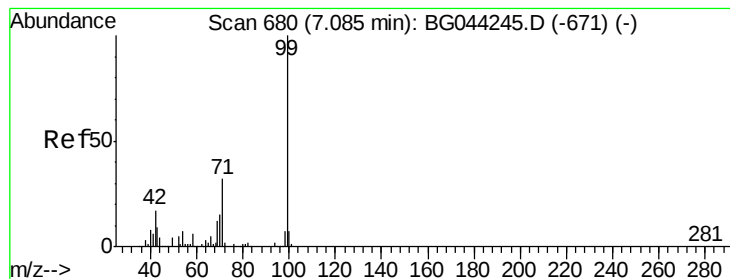
Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	93	Resp:	256476
Ion Ratio	Lower	Upper	
93	100		
66	37.4	28.7	43.1
65	19.0	15.4	23.0





#7

Phenol-d6

Concen: 137.148 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

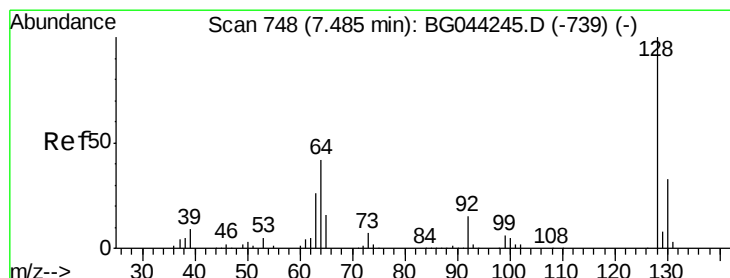
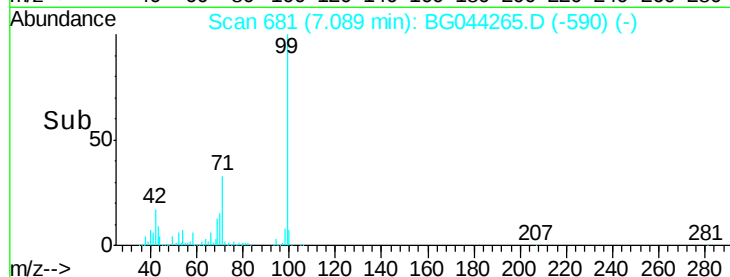
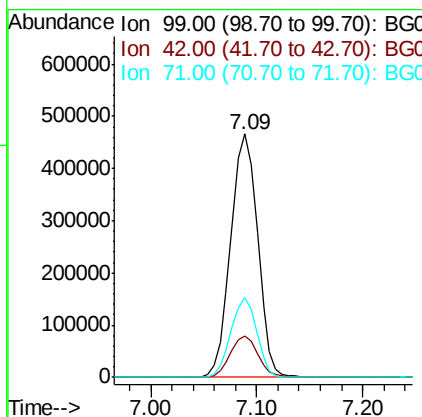
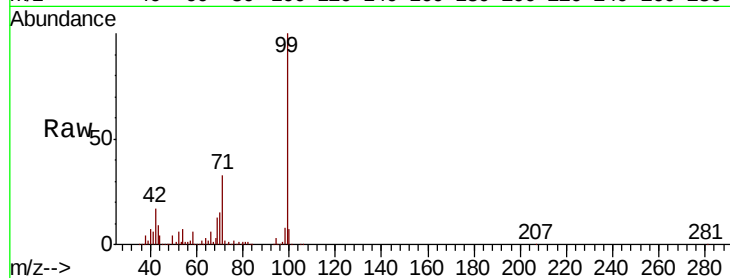
ClientSampleId :

C-1_013020MSD

Tot Ion:	99	Resp:	823709
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.6
71	32.5	25.5	38.3

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#8

2-Chlorophenol

Concen: 62.464 ng

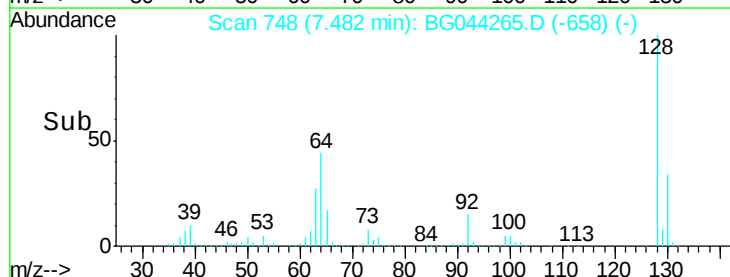
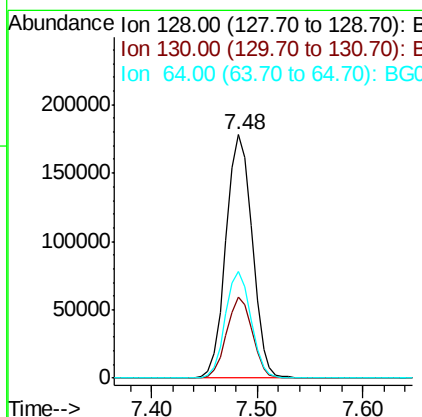
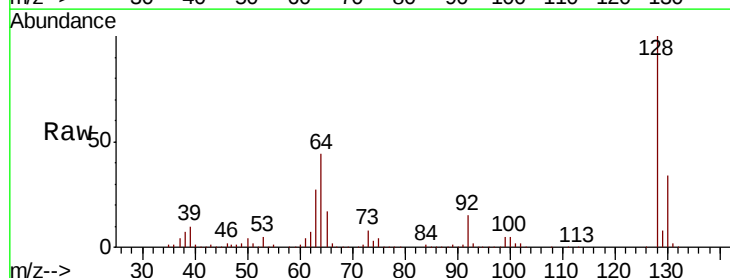
RT: 7.48 min Scan# 748

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	128	Resp:	307040
Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.5	52.5
64	43.8	24.2	64.2





#9

Benzaldehyde

Concen: 38.234 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

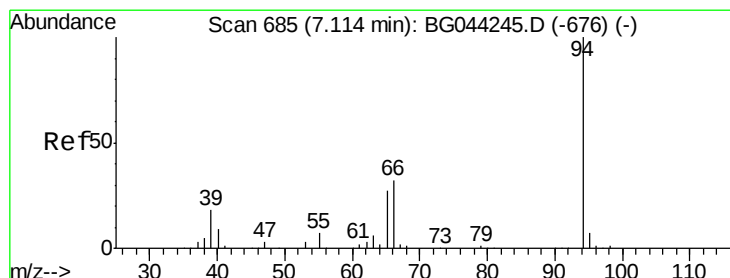
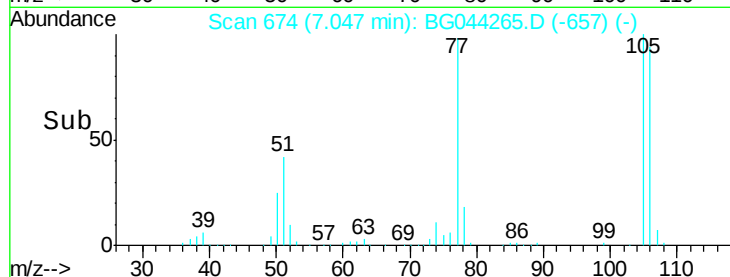
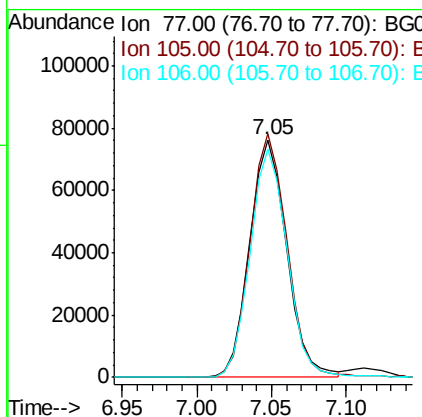
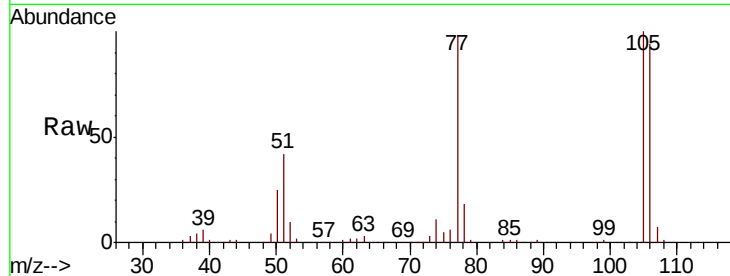
ClientSampleId :

C-1_013020MSD

Tot Ion:	77	Resp:	130784
Ion	Ratio	Lower	Upper
77	100		
105	102.4	82.0	122.0
106	95.9	80.7	120.7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#10

Phenol

Concen: 68.772 ng

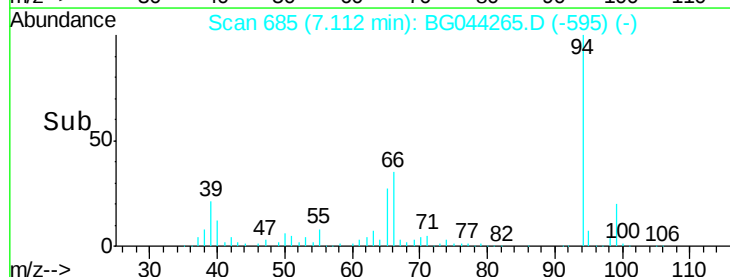
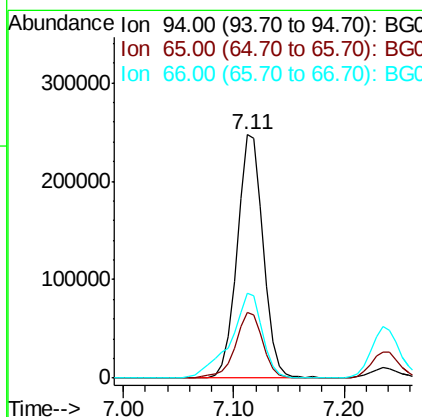
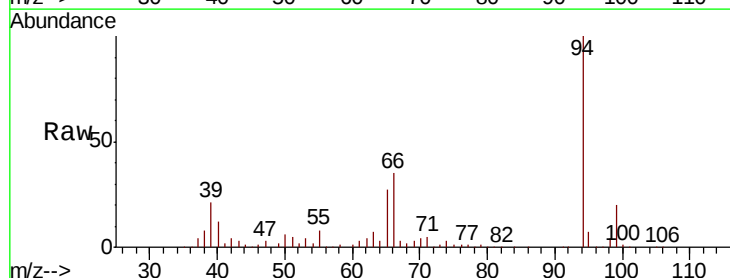
RT: 7.11 min Scan# 685

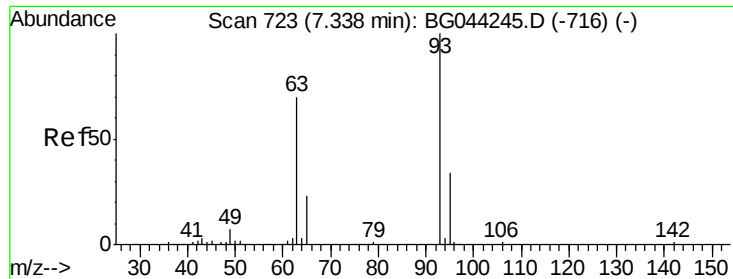
Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	94	Resp:	408779
Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.0	47.0
66	35.0	12.7	52.7





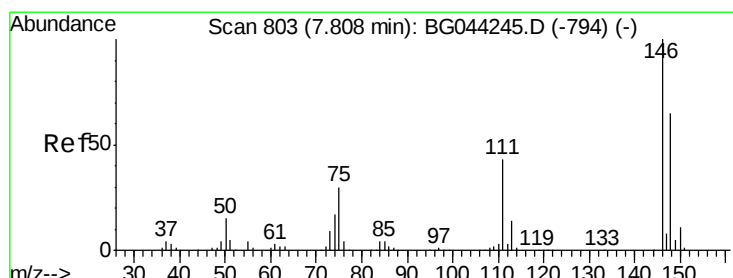
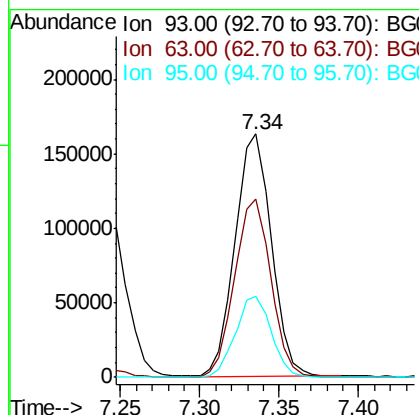
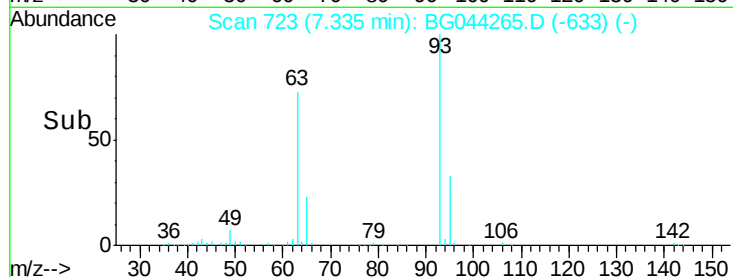
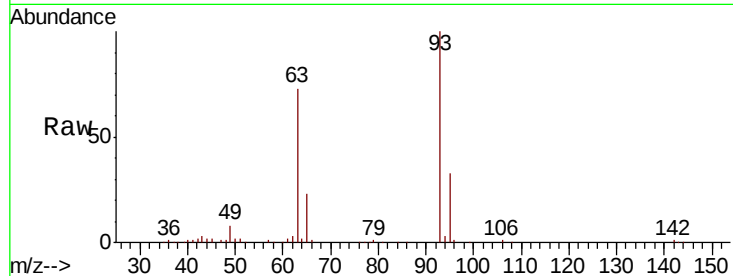
#11
bis(2-Chloroethyl)ether
Concen: 50.975 ng
RT: 7.34 min Scan# 723
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion:	93	Resp:	259040
Ion Ratio	Lower	Upper	
93	100		
63	73.3	49.2	89.2
95	33.3	13.6	53.6

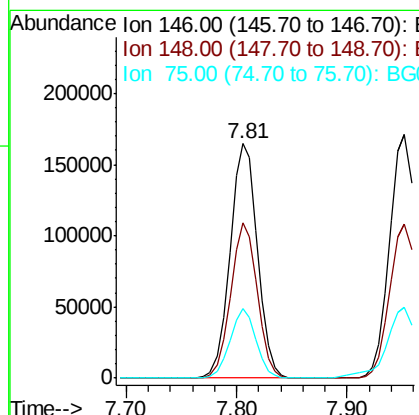
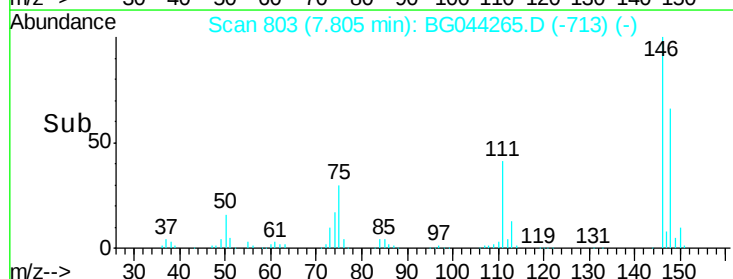
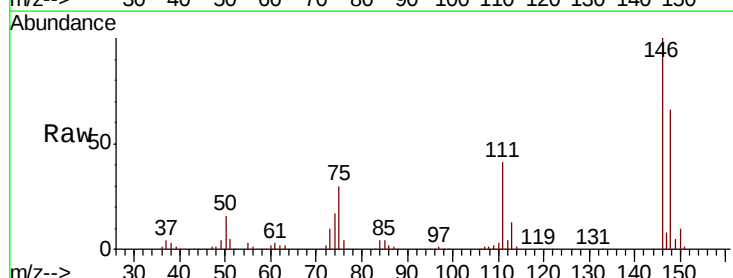
Manual Integrations
APPROVED

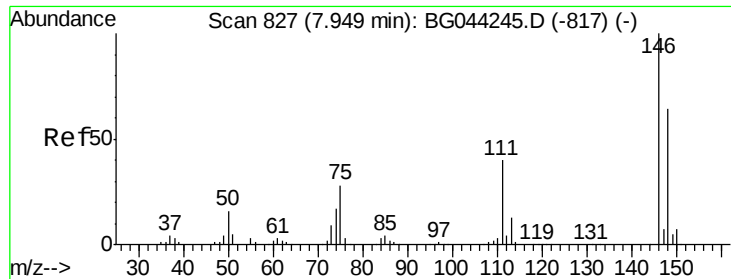
mohammad
2/3/2020 4:10:51 PM



#12
1,3-Dichlorobenzene
Concen: 48.373 ng
RT: 7.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion:	146	Resp:	283899
Ion Ratio	Lower	Upper	
146	100		
148	66.1	51.8	77.8
75	29.9	23.7	35.5





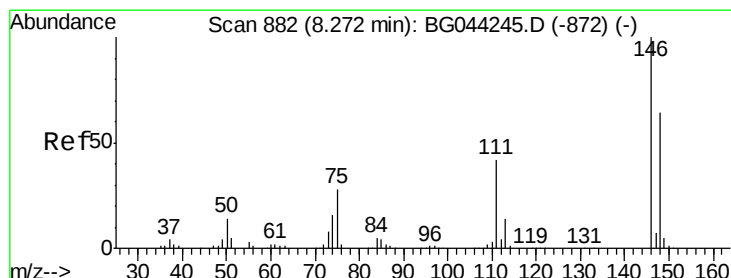
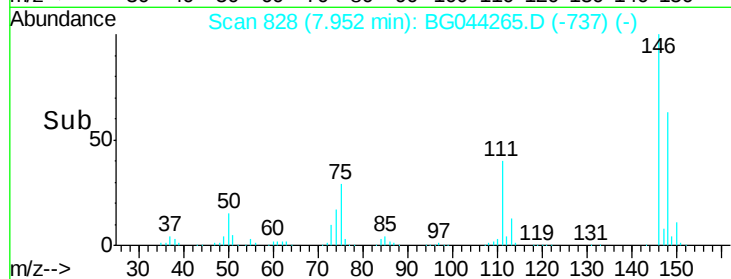
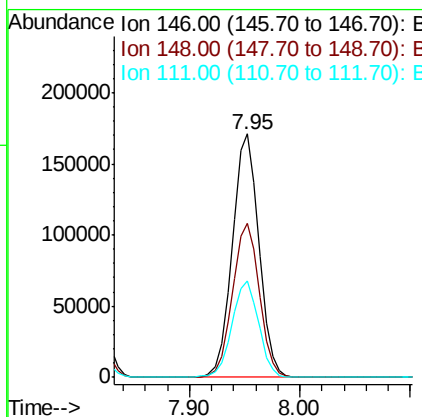
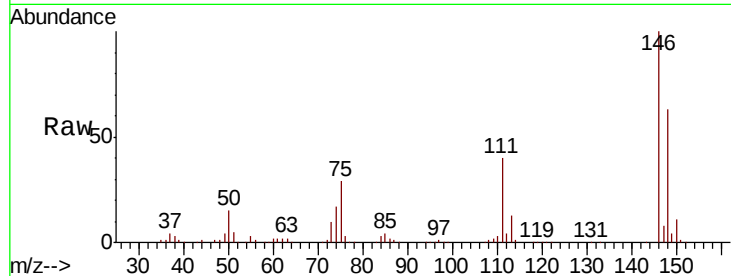
#13
 1,4-Dichlorobenzene
 Concen: 49.453 ng
 RT: 7.95 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.0
111	39.7	31.8	47.8

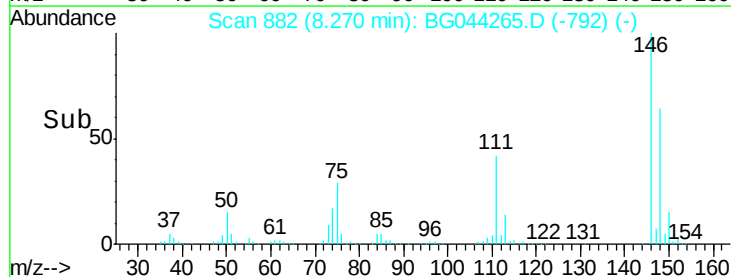
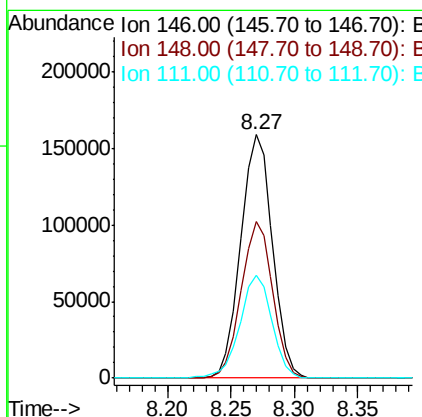
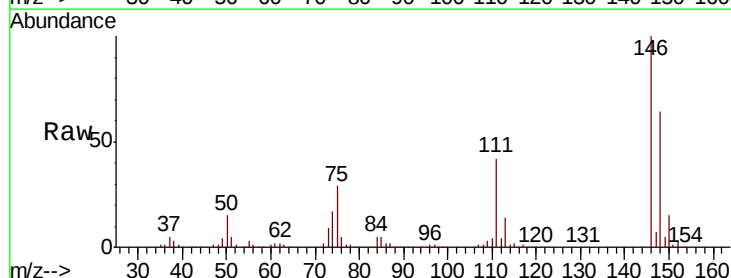
Manual Integrations
 APPROVED

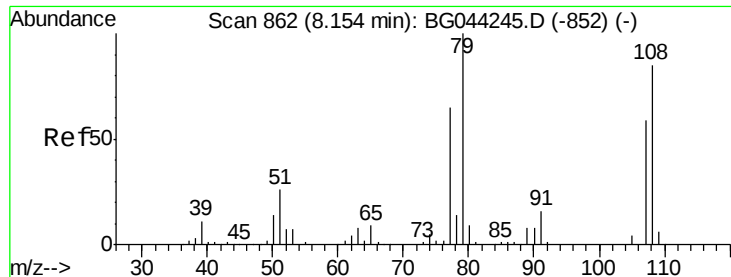
mohammad
 2/3/2020 4:10:51 PM



#14
 1,2-Dichlorobenzene
 Concen: 50.261 ng
 RT: 8.27 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
111	42.4	34.0	51.0





#15

Benzyl Alcohol

Concen: 59.363 ng

RT: 8.15 min Scan# 862

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

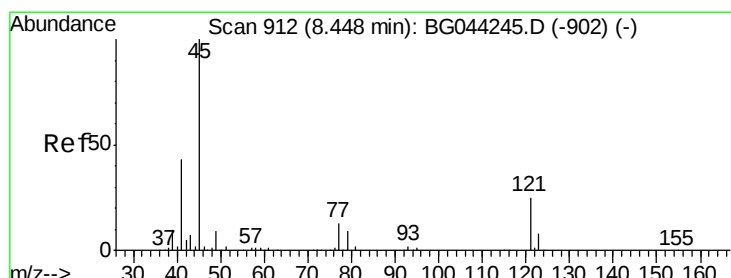
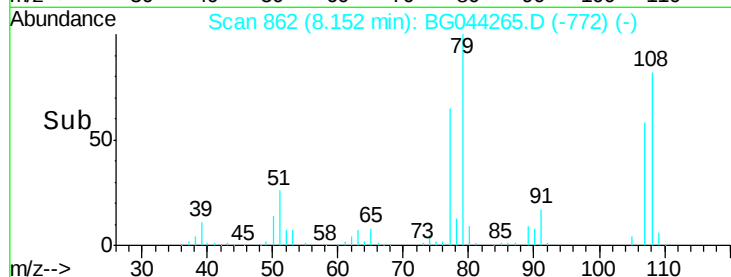
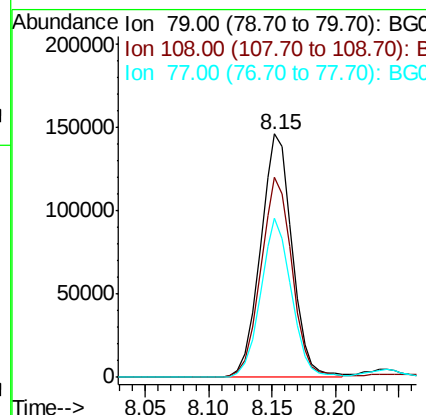
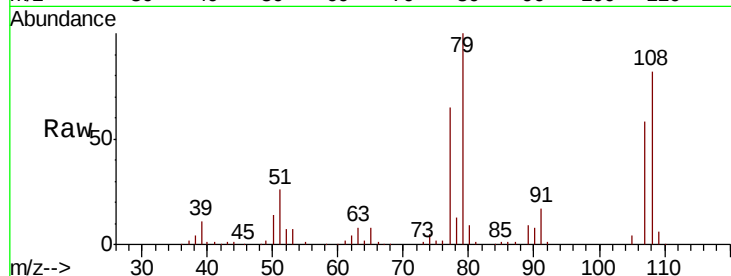
ClientSampleId :

C-1_013020MSD

Tot Ion	79	Resp	252416
Ion Ratio	Lower	Upper	
79	100		
108	82.4	68.3	102.5
77	65.4	51.8	77.8

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 51.152 ng

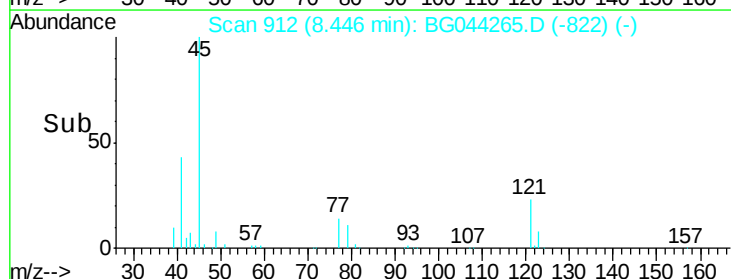
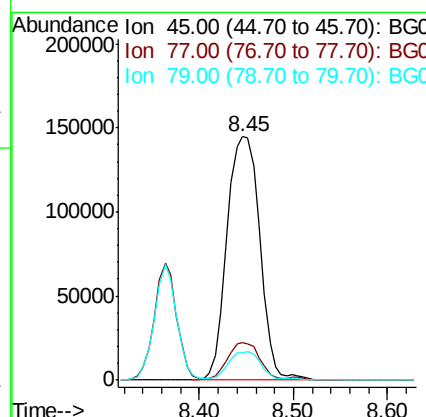
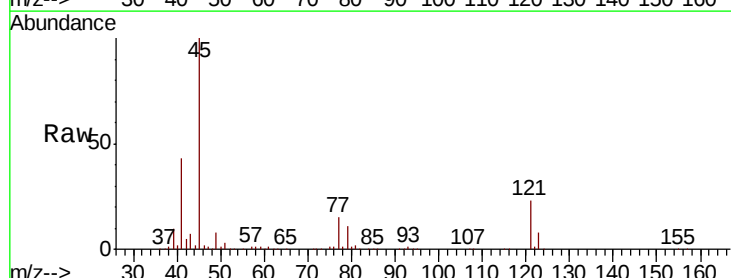
RT: 8.45 min Scan# 912

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion	45	Resp	351820
Ion Ratio	Lower	Upper	
45	100		
77	15.5	0.0	35.2
79	11.4	0.0	31.1





#17

2-Methylphenol

Concen: 63.423 ng

RT: 8.36 min Scan# 898

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

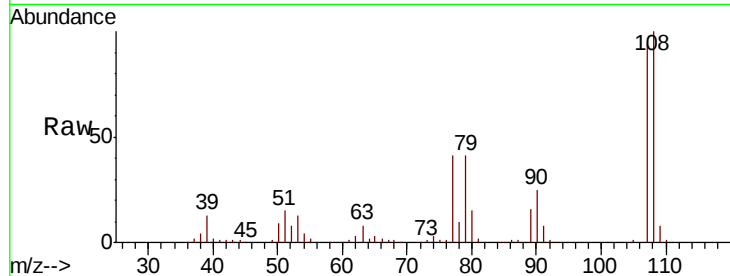
ClientSampleId :

C-1_013020MSD

Tot Ion	107	Resp	268970
Ion Ratio	Lower	Upper	
107	100		
108	106.0	86.4	129.6
77	43.9	34.0	51.0
79	43.2	32.9	49.3

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



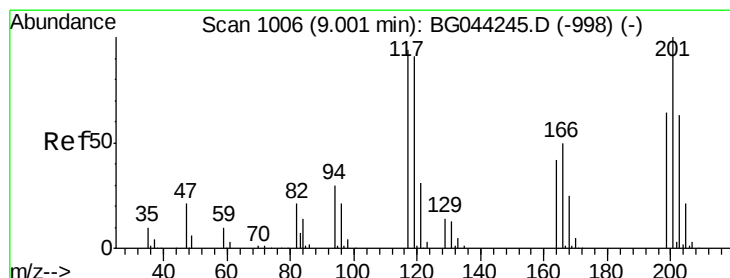
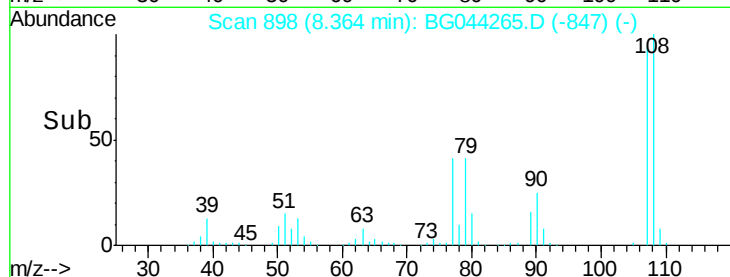
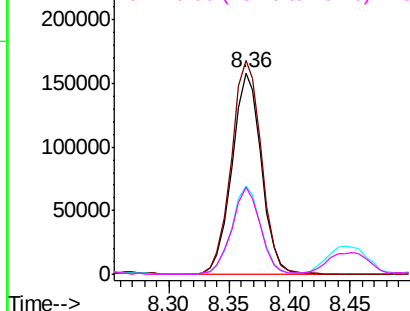
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 48.374 ng

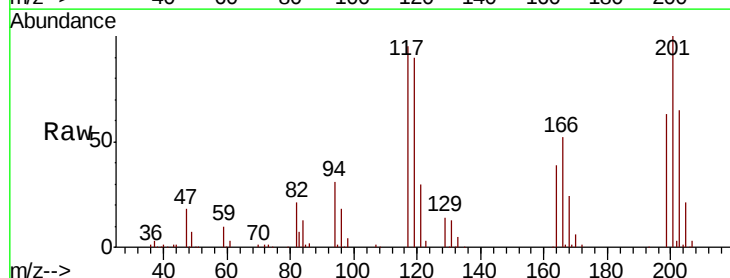
RT: 9.00 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion	117	Resp	105516
Ion Ratio	Lower	Upper	
117	100		
119	95.6	77.5	116.3
201	105.8	84.9	127.3

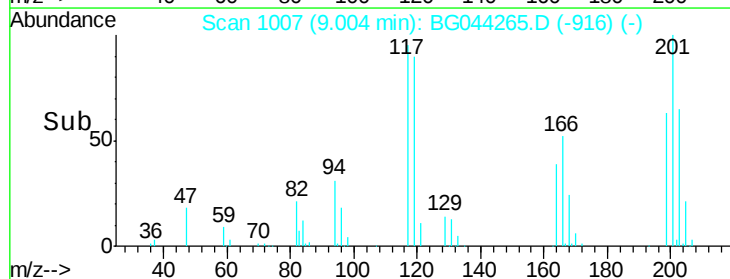
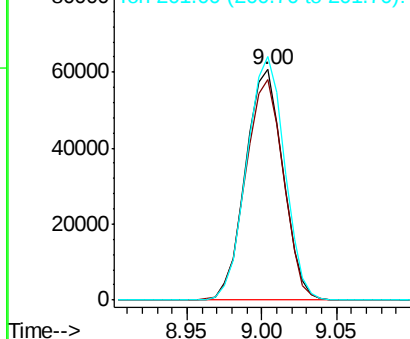


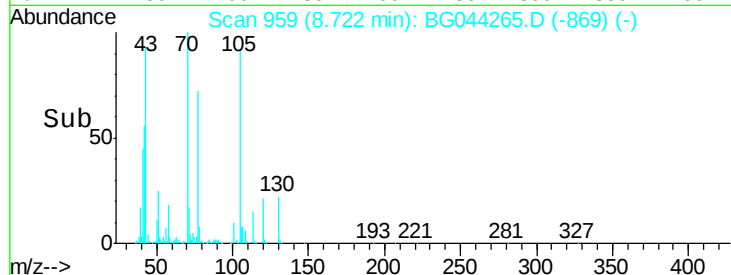
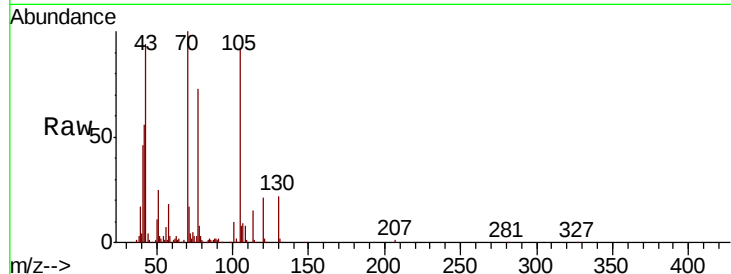
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





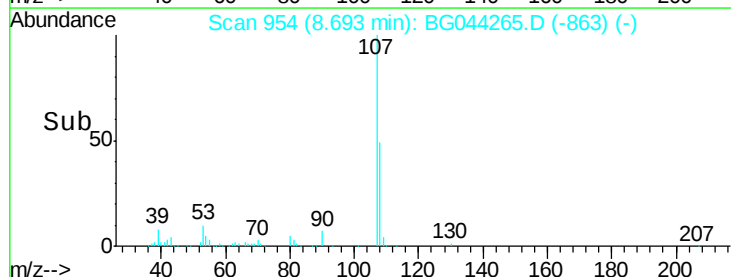
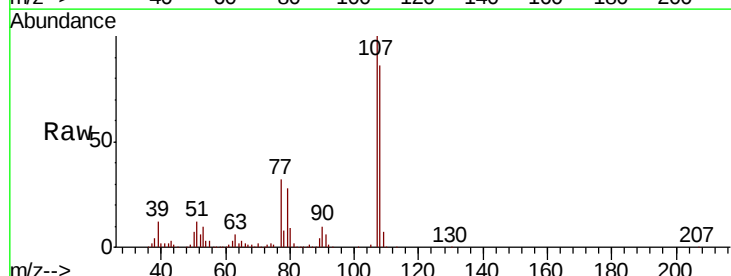
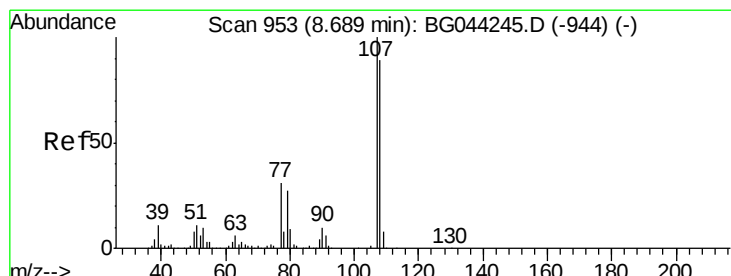
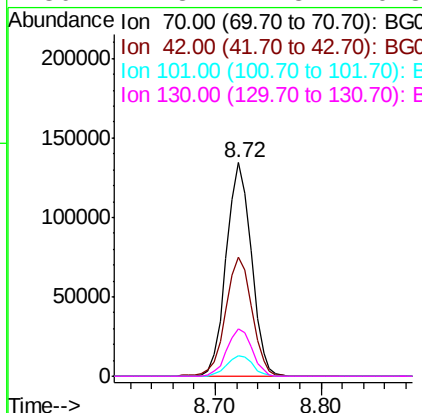
#19
n-Nitroso-di-n-propylamine
Concen: 55.211 ng
RT: 8.72 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.0	46.2	69.2	
101	9.9	8.4	12.6	
130	22.3	17.8	26.8	

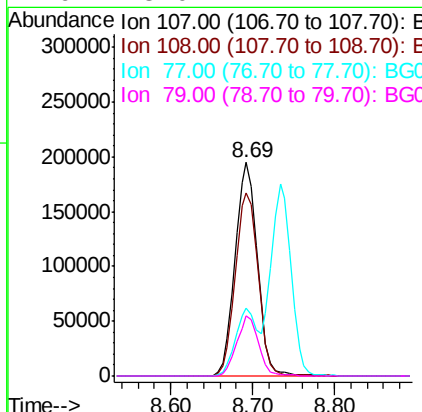
Manual Integrations
APPROVED

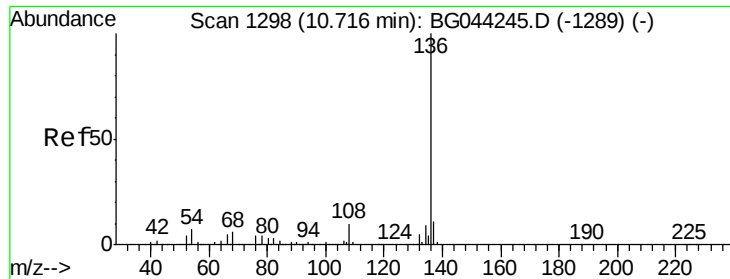
mohammad
2/3/2020 4:10:51 PM



#20
3+4-Methylphenols
Concen: 63.344 ng
RT: 8.69 min Scan# 954
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.9	68.5	108.5	
77	31.8	10.9	50.9	
79	28.0	7.1	47.1	





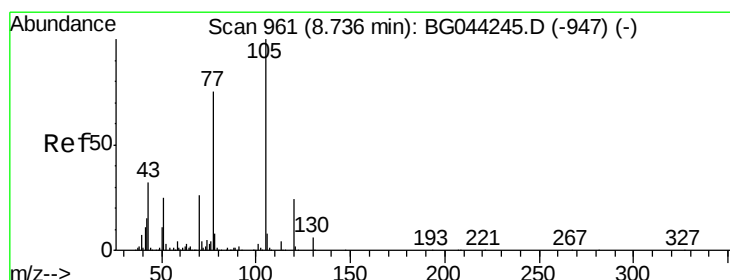
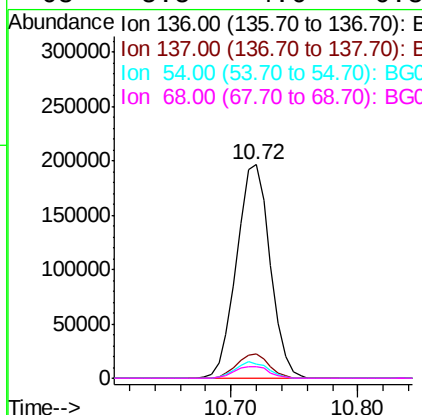
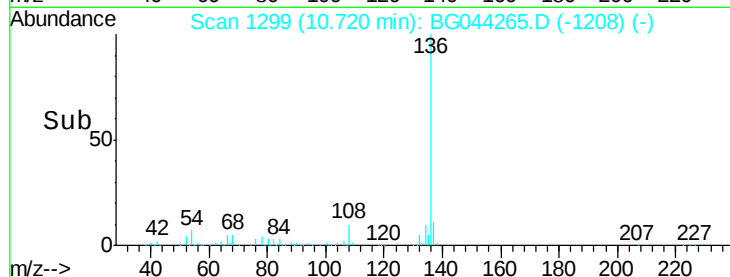
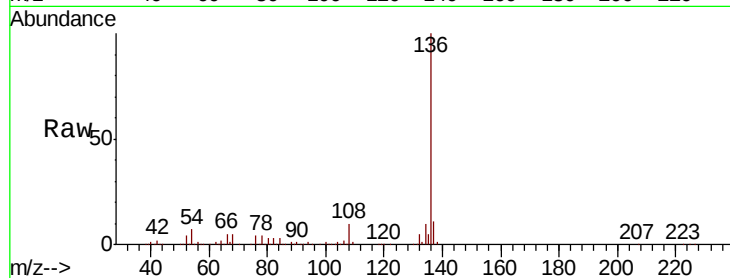
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		359933		
137	11.2		8.8	13.2	
54	6.8		5.8	8.8	
68	5.5		4.6	6.8	

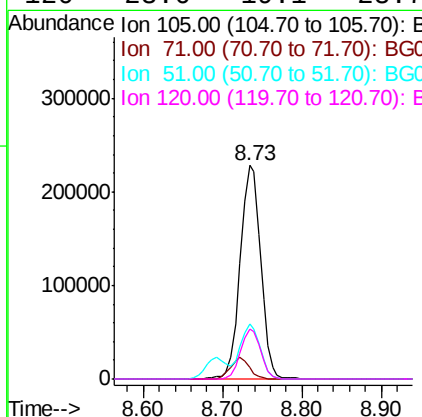
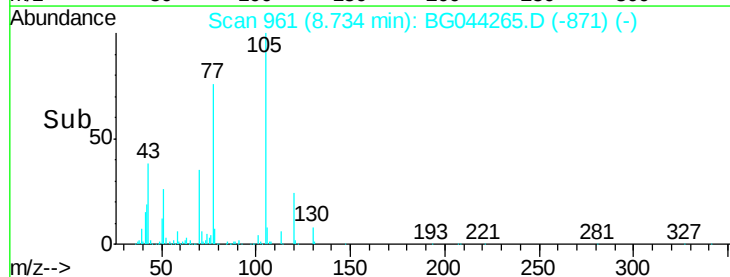
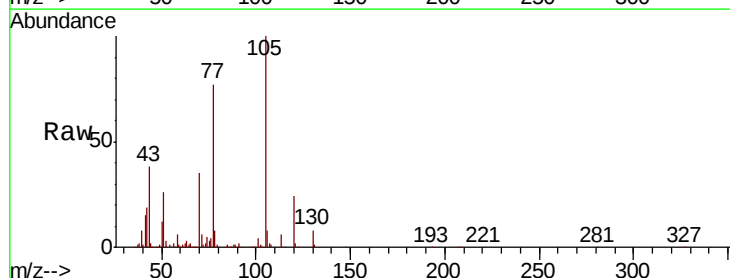
Manual Integrations
APPROVED

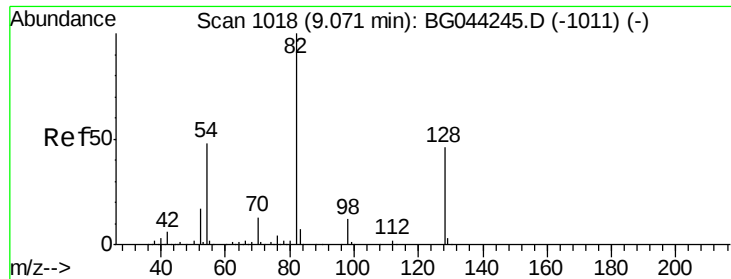
mohammad
2/3/2020 4:10:51 PM



#22
Acetophenone
Concen: 46.787 ng
RT: 8.73 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		409673		
71	5.7		3.4	5.0#	
51	26.0		20.2	30.4	
120	23.6		19.1	28.7	





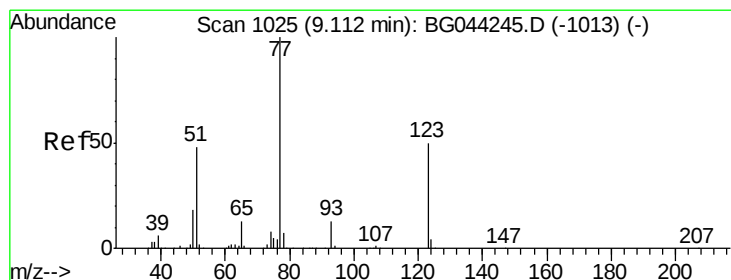
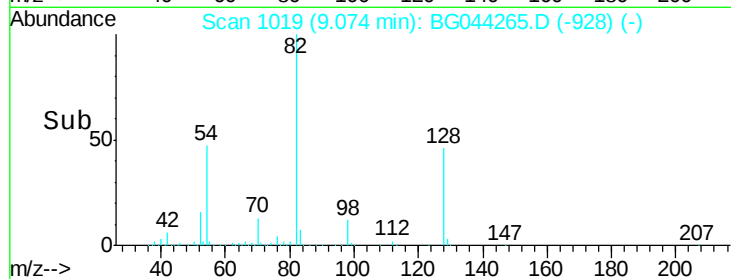
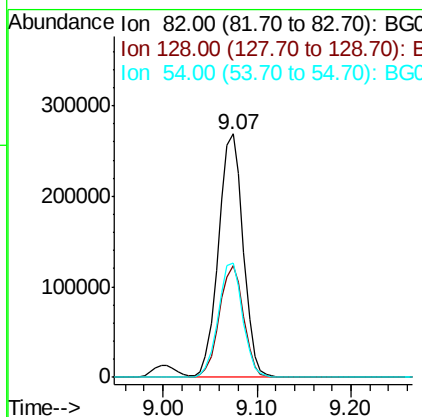
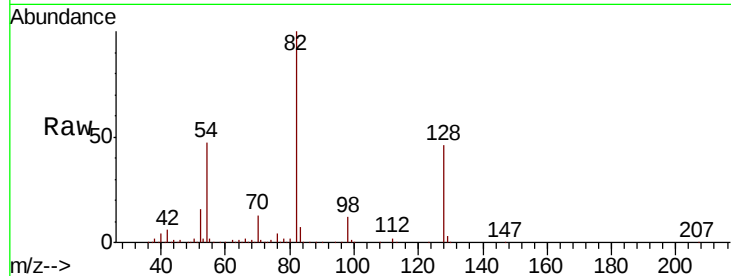
#23
Nitrobenzene-d5
Concen: 77.037 ng
RT: 9.07 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	46.8	38.6	58.0

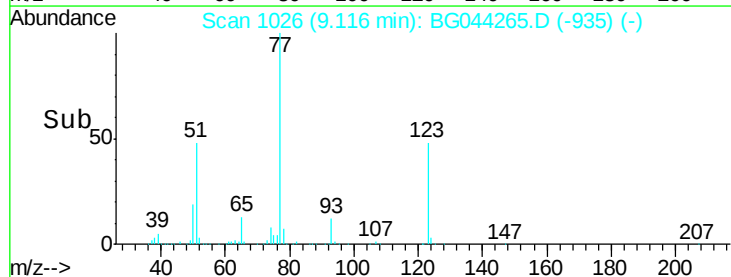
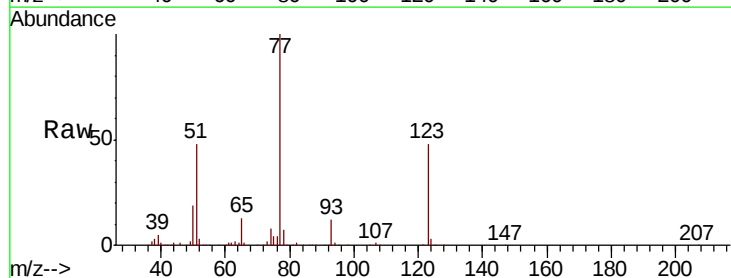
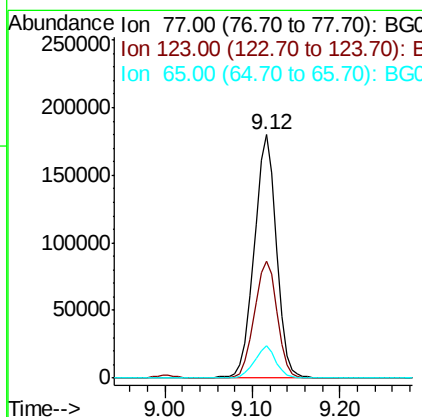
Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#24
Nitrobenzene
Concen: 49.927 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.0	39.9	59.9
65	13.1	10.4	15.6





#25

Isophorone

Concen: 51.604 ng

RT: 9.64 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

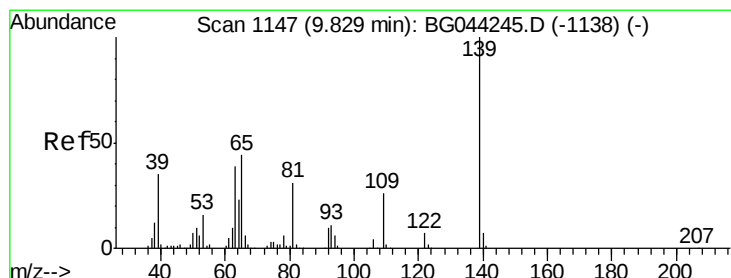
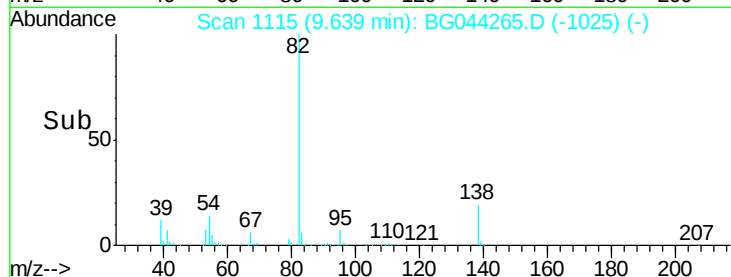
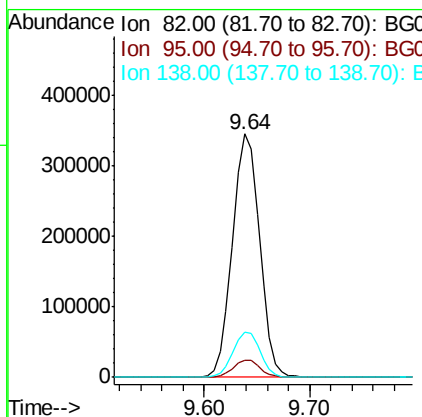
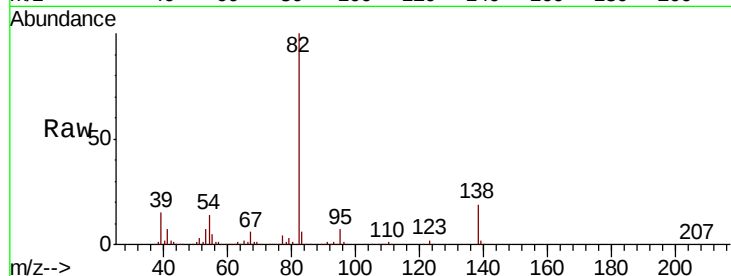
ClientSampleId :

C-1_013020MSD

Tot Ion:	82	Resp:	613205
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.7	8.5
138	18.7	15.0	22.4

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#26

2-Nitrophenol

Concen: 54.134 ng

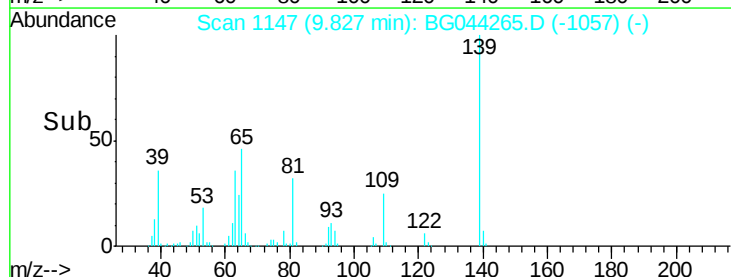
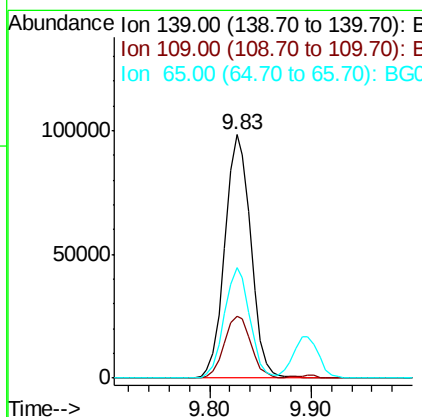
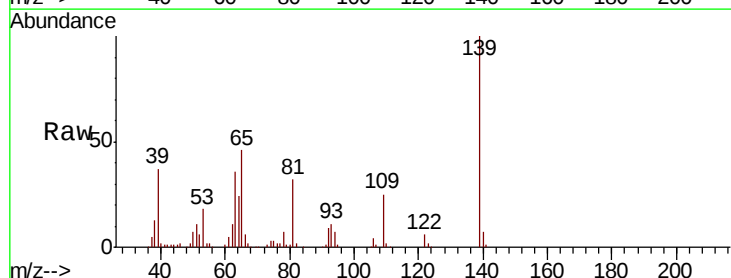
RT: 9.83 min Scan# 1147

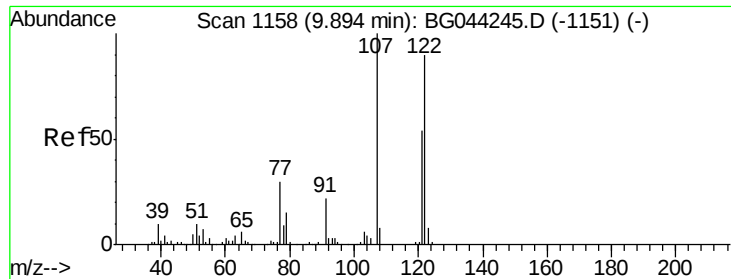
Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	139	Resp:	174829
Ion Ratio	Lower	Upper	
139	100		
109	25.5	21.0	31.4
65	45.5	35.0	52.4





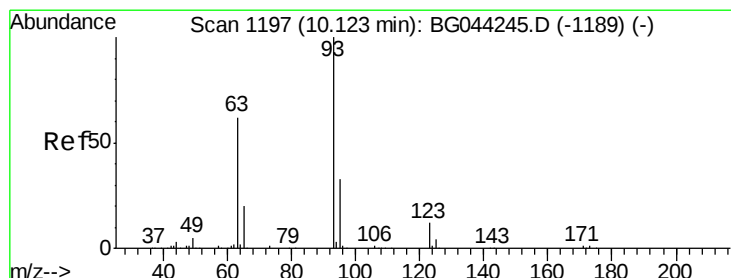
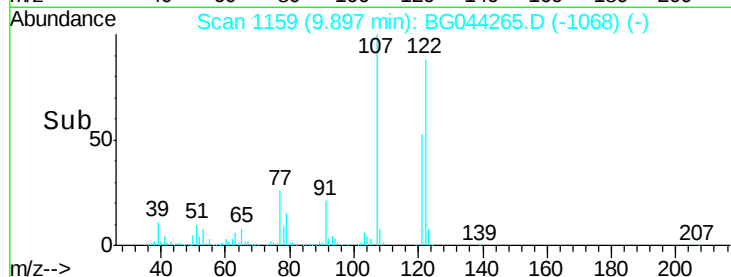
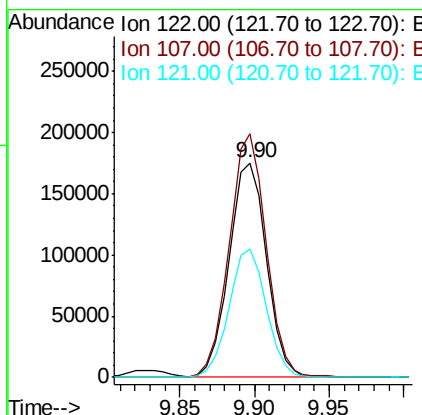
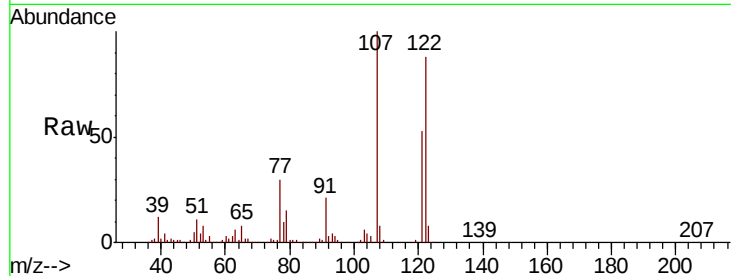
#27
2,4-Dimethylphenol
Concen: 66.863 ng
RT: 9.90 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.5	88.8	133.2
121	59.9	48.3	72.5

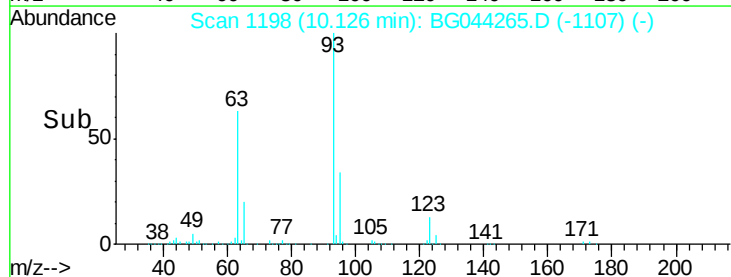
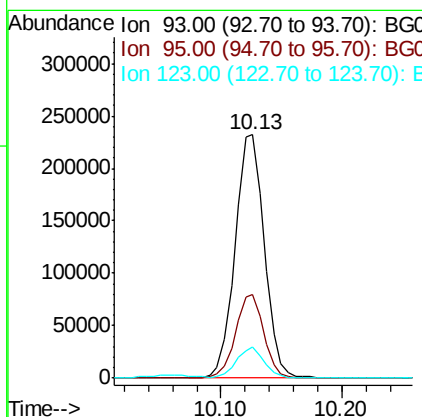
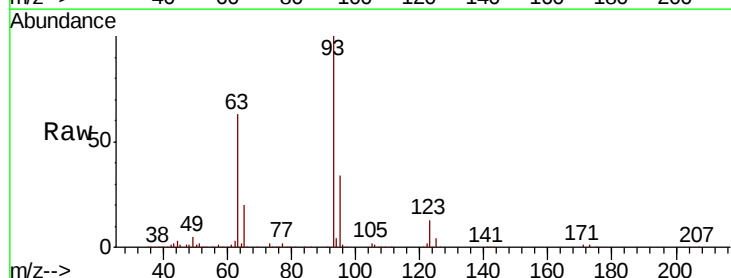
Manual Integrations
APPROVED

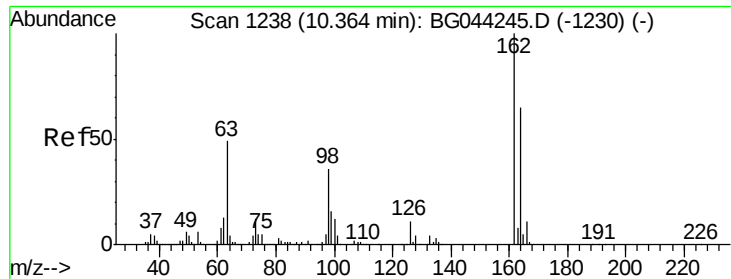
mohammad
2/3/2020 4:10:51 PM



#28
bis(2-Chloroethoxy)methane
Concen: 49.371 ng
RT: 10.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.3	26.6	40.0
123	13.0	10.0	15.0





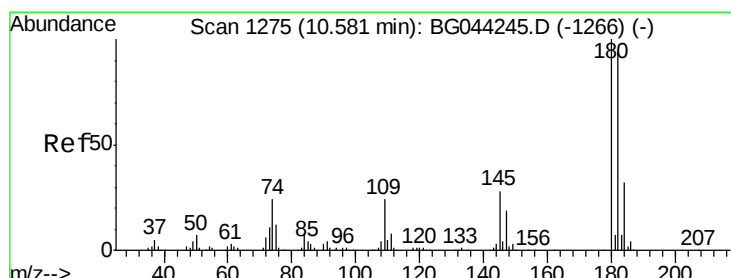
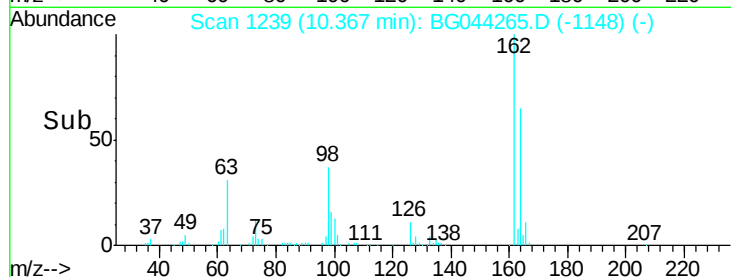
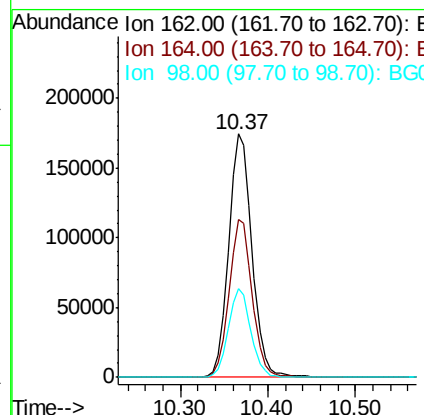
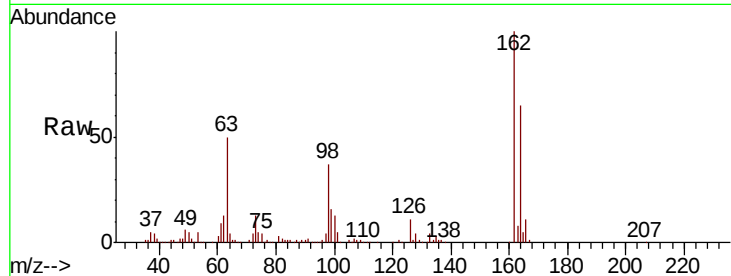
#29
 2,4-Dichlorophenol
 Concen: 57.706 ng
 RT: 10.37 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	318103		
164	65.0	44.7	84.7	
98	36.7	15.8	55.8	

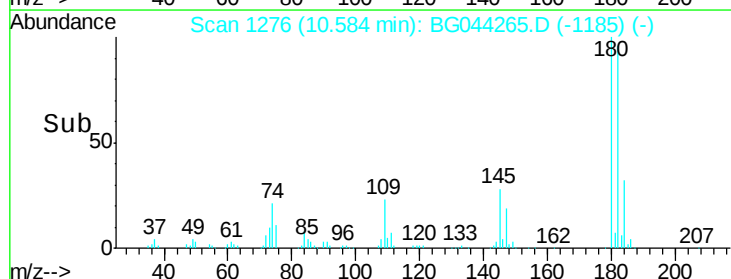
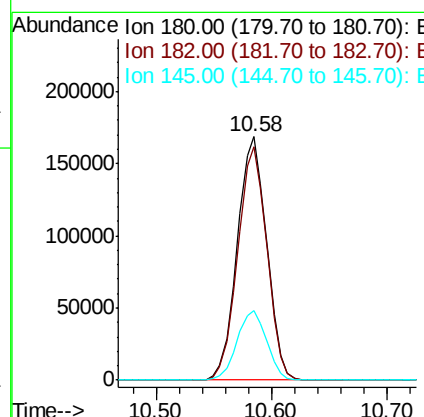
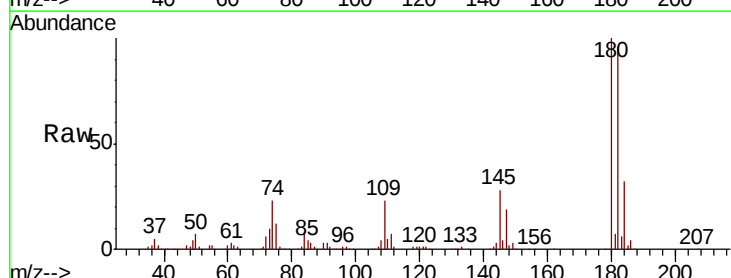
Manual Integrations
 APPROVED

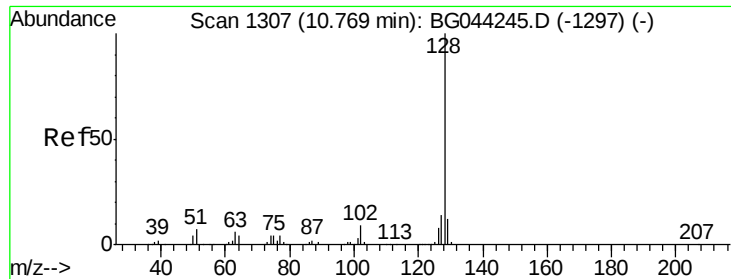
mohammad
 2/3/2020 4:10:51 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 46.930 ng
 RT: 10.58 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	296638		
182	95.6	75.5	113.3	
145	28.4	22.6	34.0	





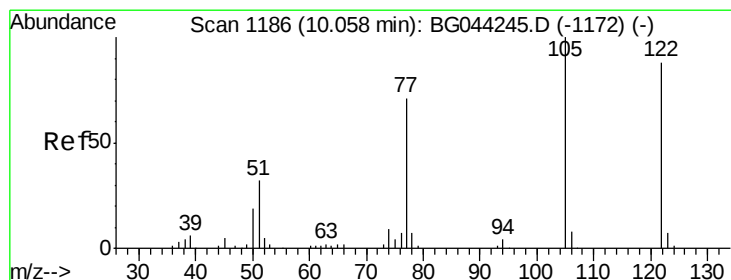
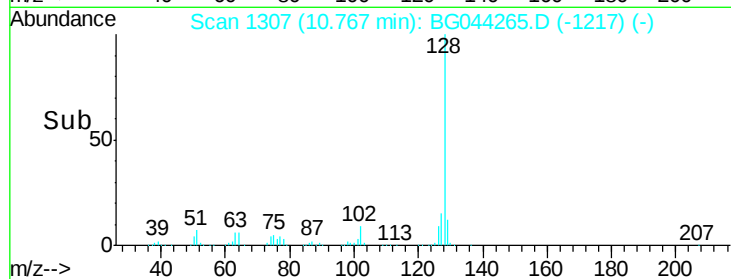
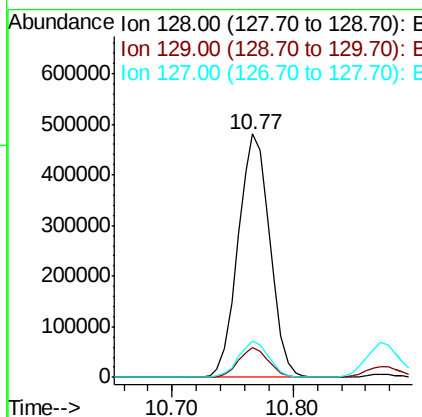
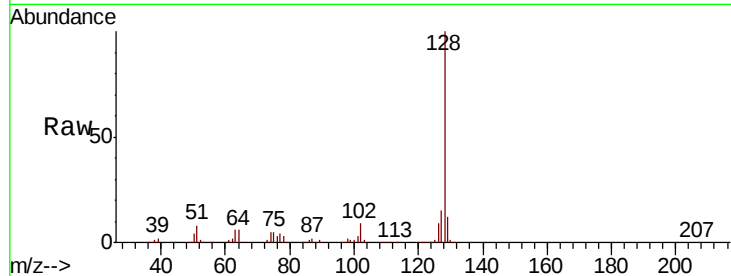
#31
Naphthalene
Concen: 50.356 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.3	13.9
127	14.7	11.6	17.4

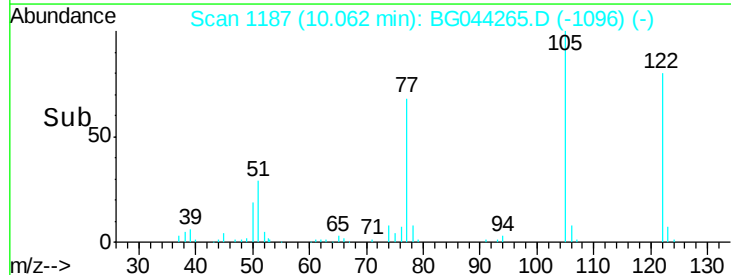
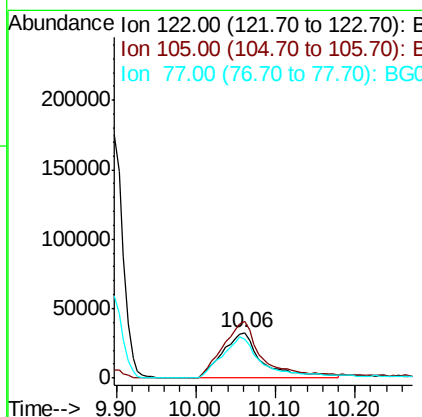
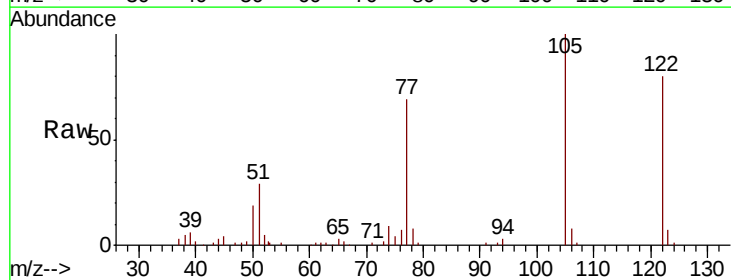
Manual Integrations
APPROVED

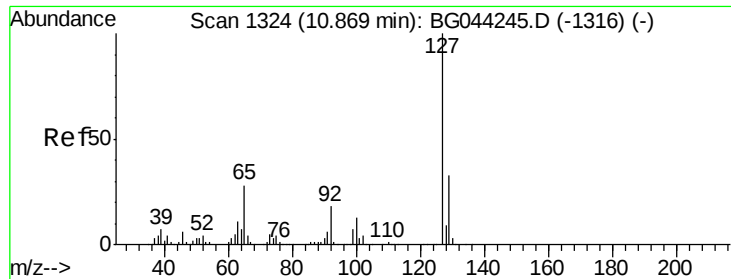
mohammad
2/3/2020 4:10:51 PM



#32
Benzoic acid
Concen: 40.728 ng
RT: 10.06 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.5	93.5	133.5
77	86.0	61.0	101.0





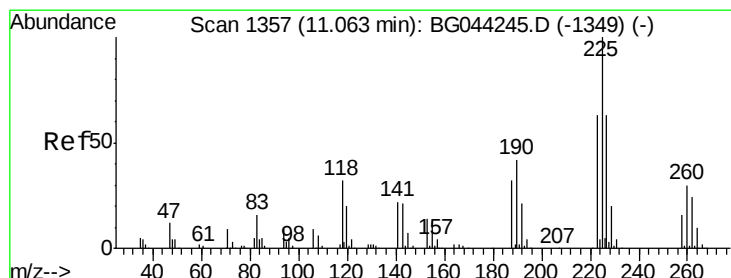
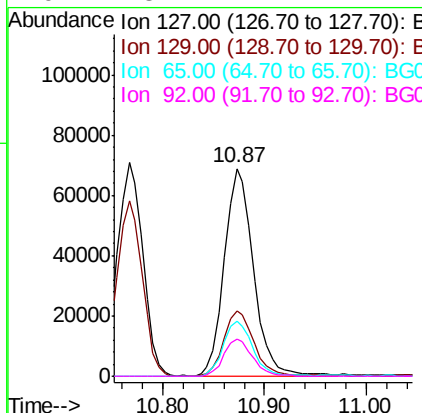
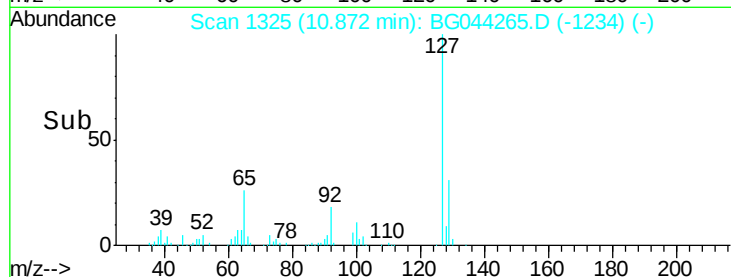
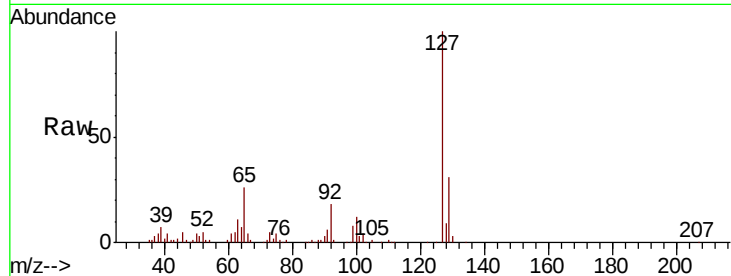
#33
4-Chloroaniline
Concen: 17.274 ng
RT: 10.87 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		137191		
129	31.4	26.6	40.0		
65	26.3	22.5	33.7		
92	18.1	14.1	21.1		

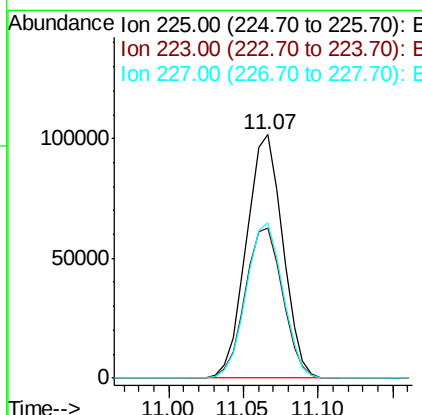
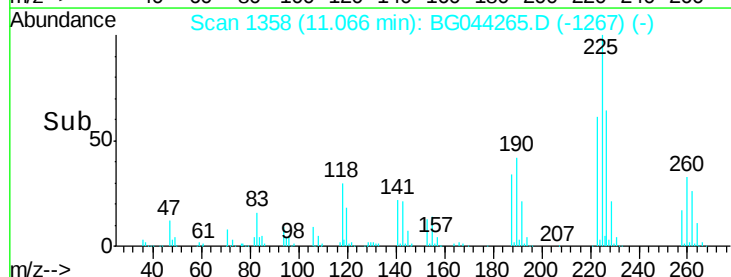
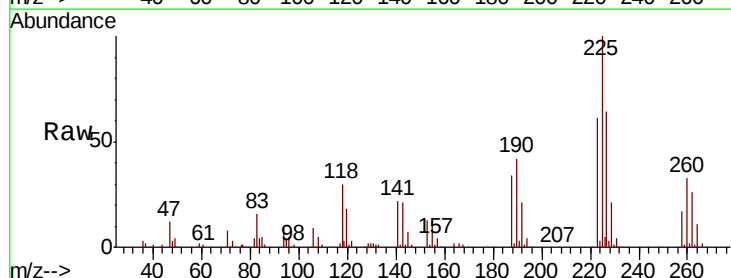
Manual Integrations
APPROVED

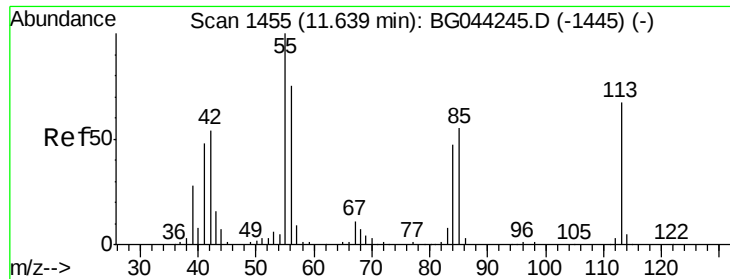
mohammad
2/3/2020 4:10:51 PM



#34
Hexachlorobutadiene
Concen: 44.119 ng
RT: 11.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		171593		
223	61.5	50.2	75.4		
227	63.9	50.8	76.2		





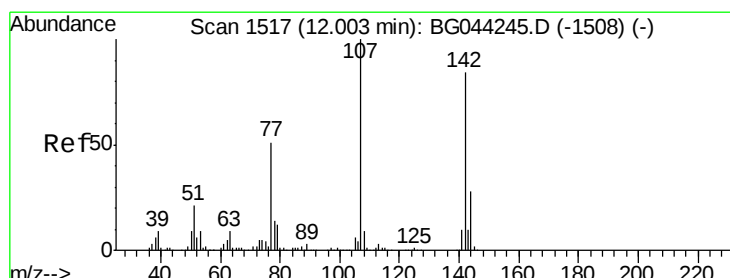
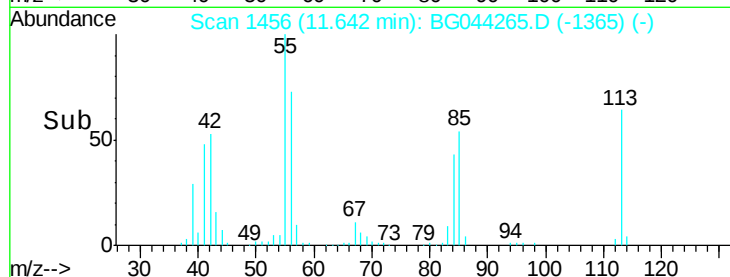
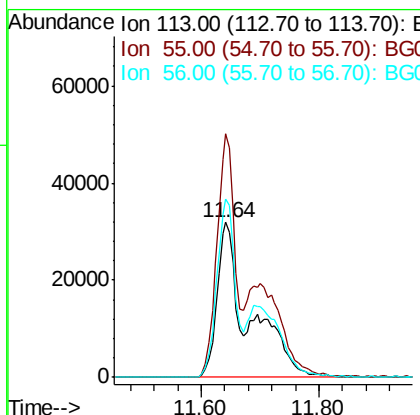
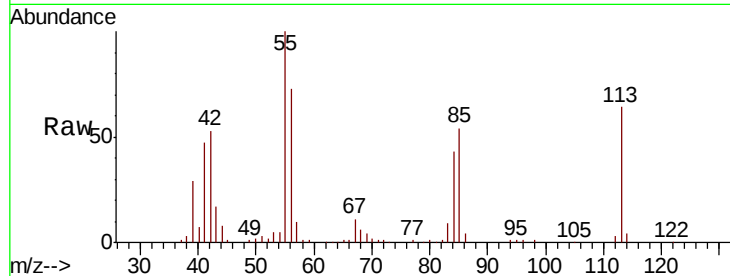
#35
Caprolactam
Concen: 59.063 ng/ml
RT: 11.64 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	157.2	129.9	169.9
56	115.0	92.5	132.5

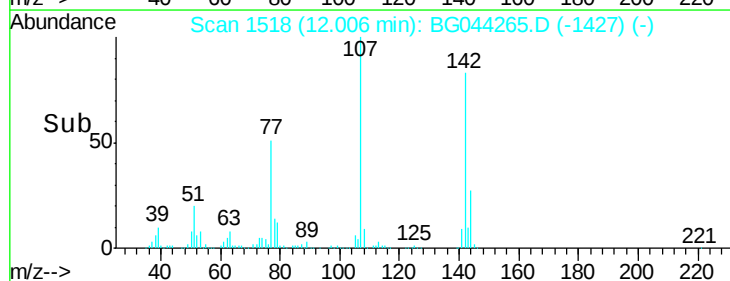
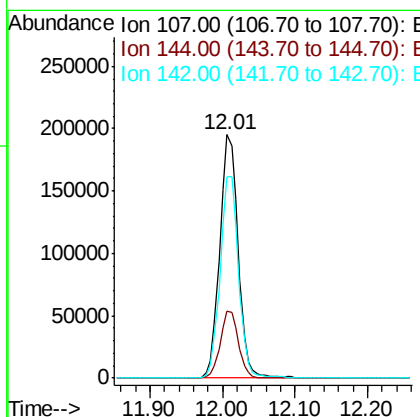
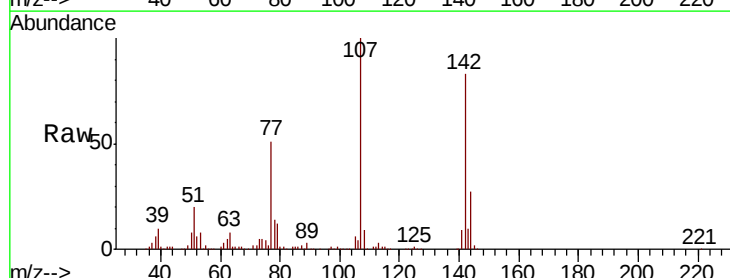
Manual Integrations
APPROVED

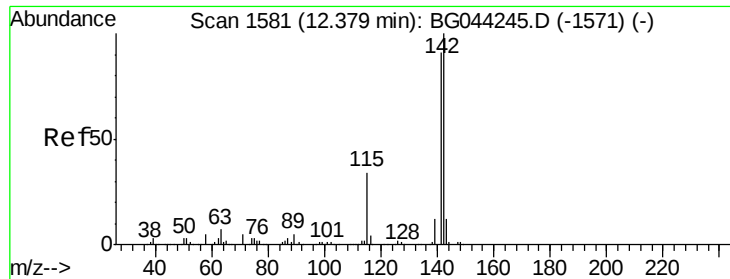
mohammad
2/3/2020 4:10:51 PM



#36
4-Chloro-3-methylphenol
Concen: 59.763 ng/ml
RT: 12.01 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.3	22.2	33.4
142	83.0	67.4	101.0





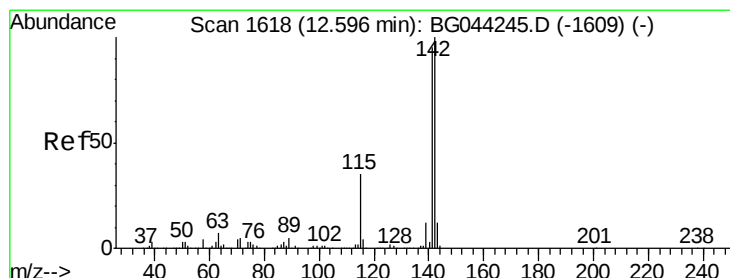
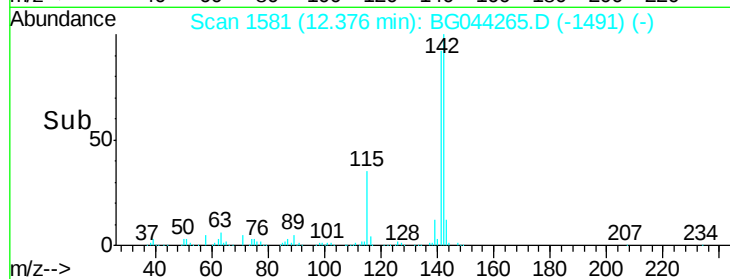
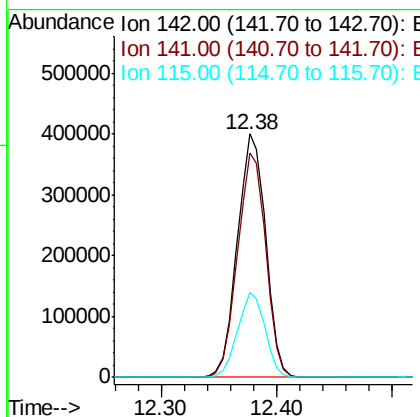
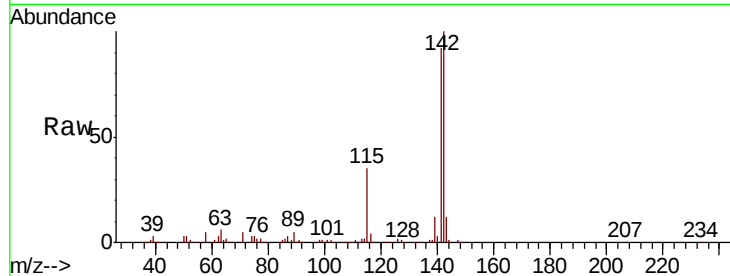
#37
2-Methylnaphthalene
Concen: 52.315 ng
RT: 12.38 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.2	109.8
115	34.6	27.1	40.7

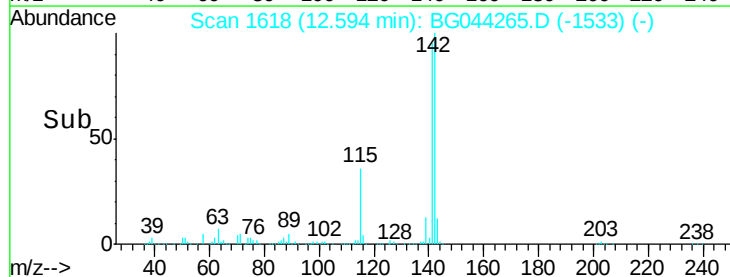
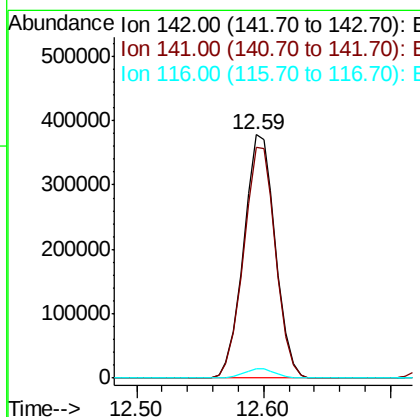
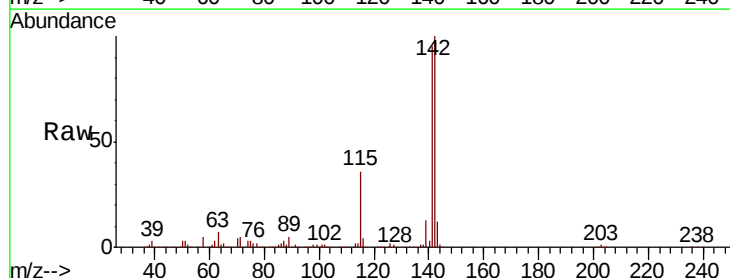
Manual Integrations
APPROVED

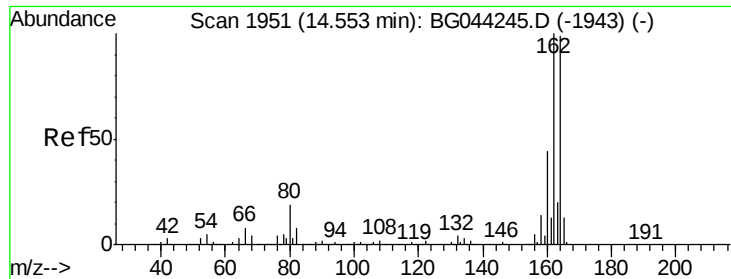
mohammad
2/3/2020 4:10:51 PM



#38
1-Methylnaphthalene
Concen: 53.409 ng
RT: 12.59 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	75.8	113.6
116	3.8	3.1	4.7





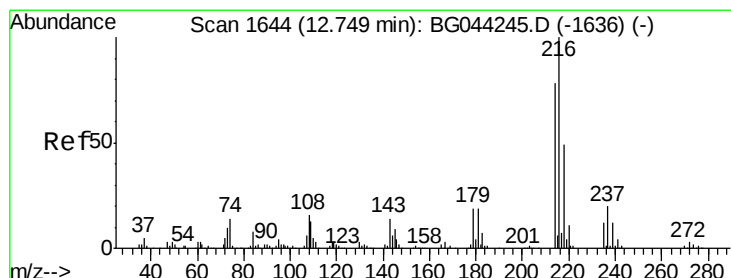
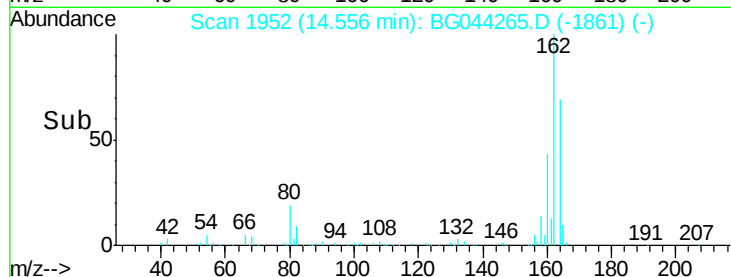
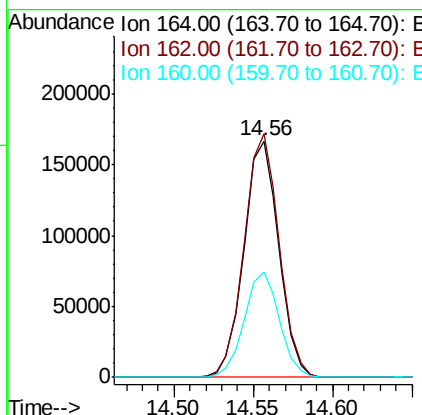
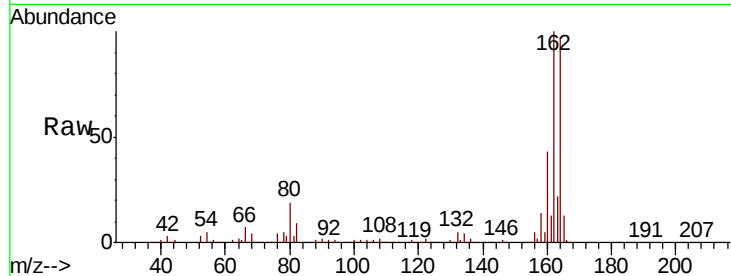
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.7	121.1
160	44.6	35.3	52.9

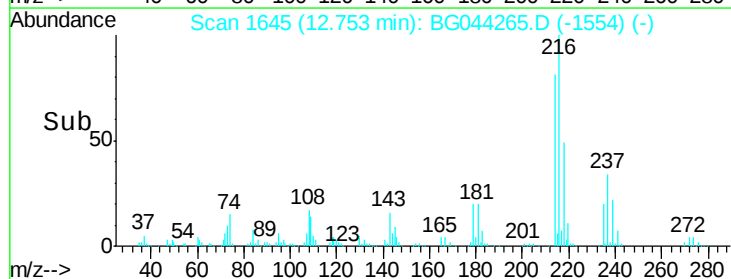
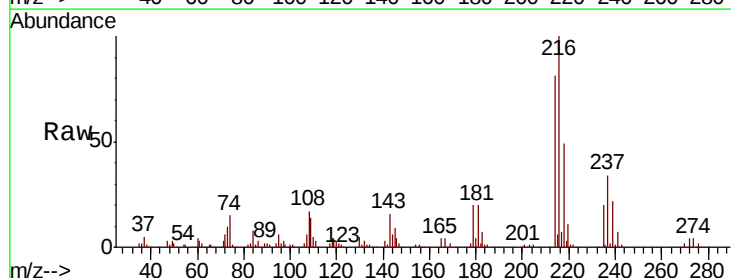
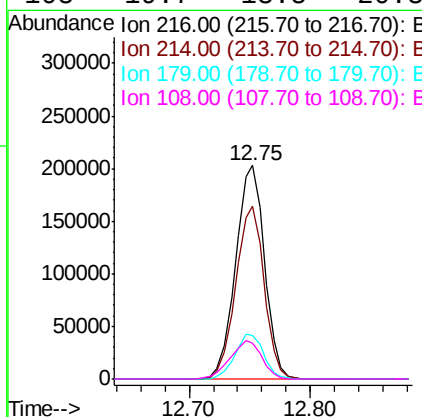
Manual Integrations
APPROVED

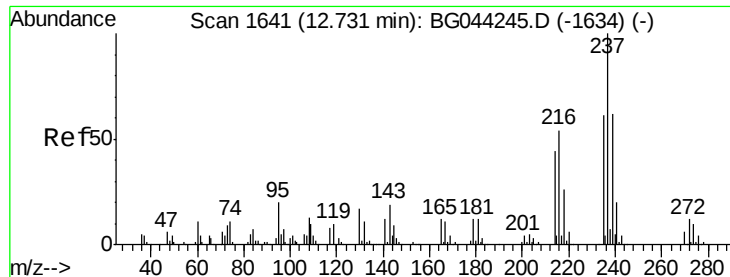
mohammad
2/3/2020 4:10:51 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.324 ng
RT: 12.75 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.0	94.6
179	20.8	16.2	24.4
108	19.7	13.5	20.3





#41

Hexachlorocyclopentadiene

Concen: 113.789 ng

RT: 12.73 min Scan# 1642

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

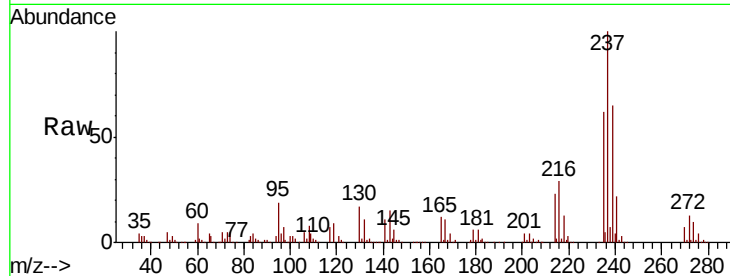
ClientSampleId :

C-1_013020MSD

Tot Ion:	237	Resp:	415733
Ion Ratio		Lower	Upper
237	100		
235	61.9	41.2	81.2
272	13.0	0.0	32.4

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM

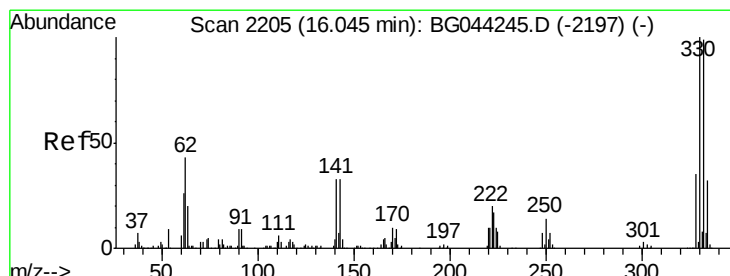
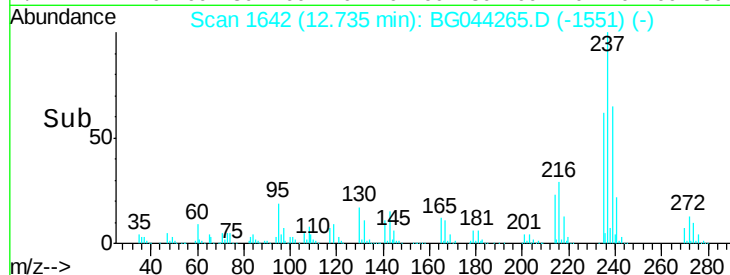
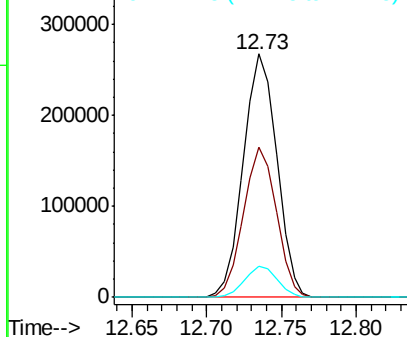


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 111.789 ng

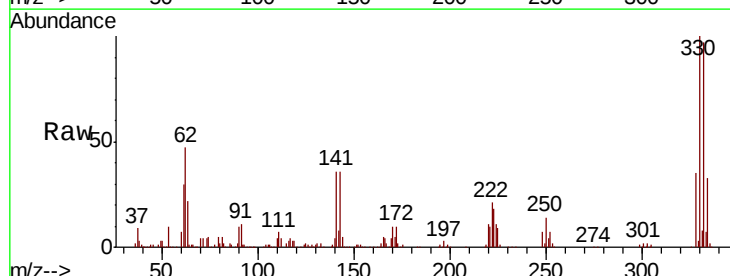
RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	330	Resp:	334049
Ion Ratio		Lower	Upper
330	100		
332	96.0	77.2	115.8
141	35.5	28.3	42.5

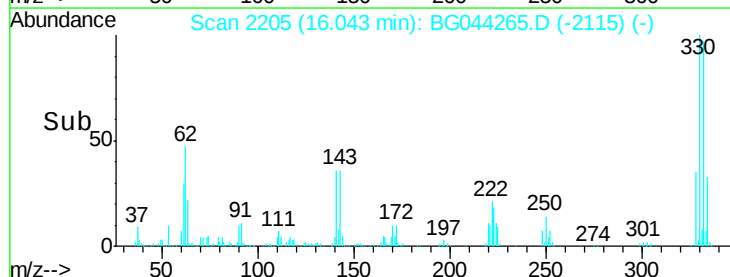
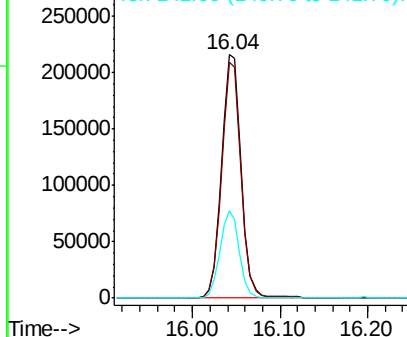


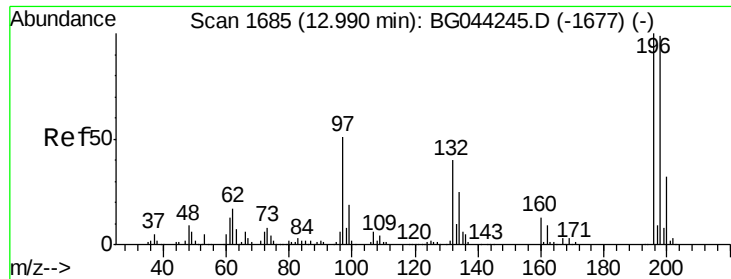
Abundance

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





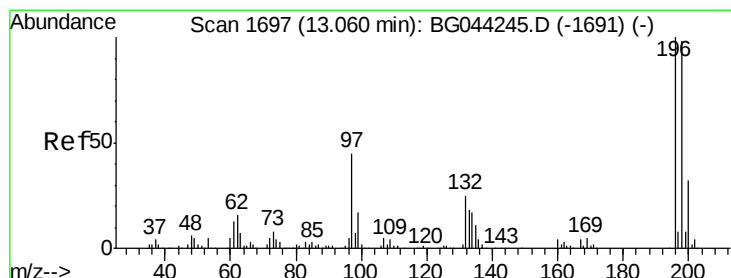
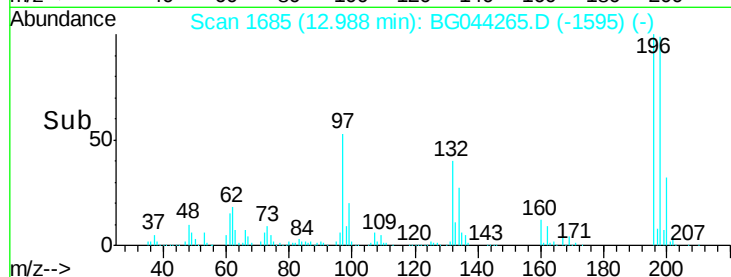
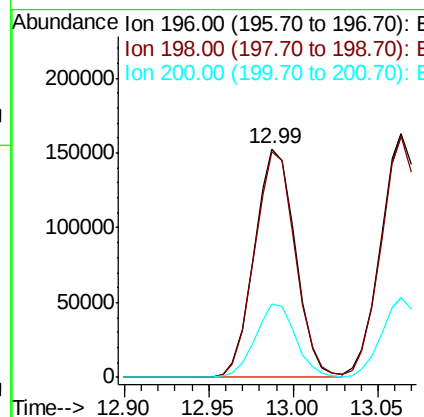
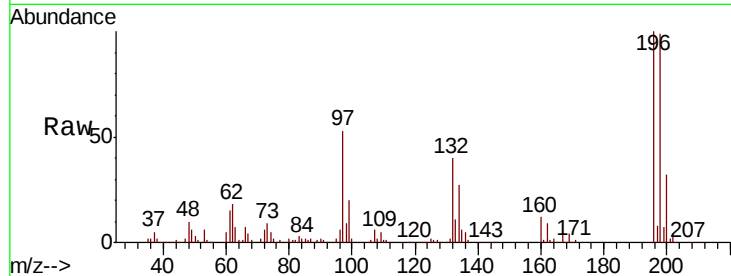
#43
 2,4,6-Trichlorophenol
 Concen: 52.264 ng
 RT: 12.99 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	257226		
198	98.6	79.3	118.9	
200	32.2	25.7	38.5	

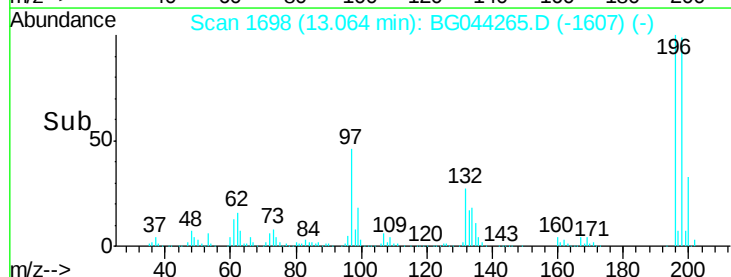
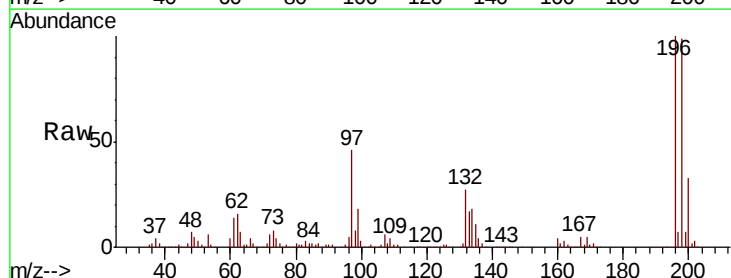
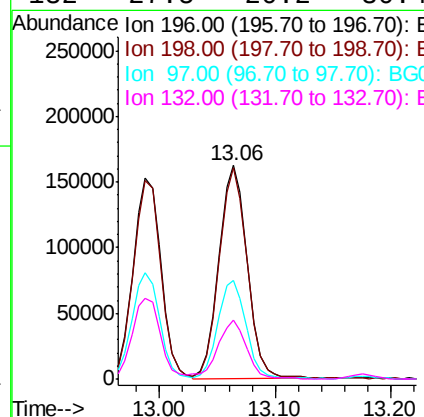
Manual Integrations
 APPROVED

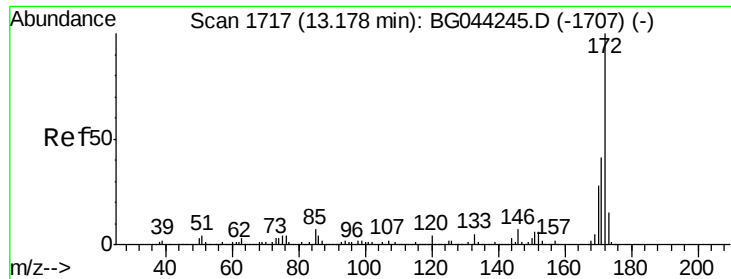
mohammad
 2/3/2020 4:10:51 PM



#44
 2,4,5-Trichlorophenol
 Concen: 54.814 ng
 RT: 13.06 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	275549		
198	98.9	78.2	117.2	
97	46.2	36.2	54.4	
132	27.5	20.2	30.4	





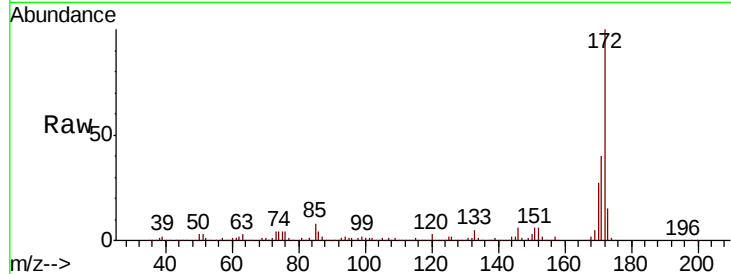
#45
2-Fluorobiphenyl
Concen: 73.735 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.1	32.9	49.3
170	27.3	22.0	33.0

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM

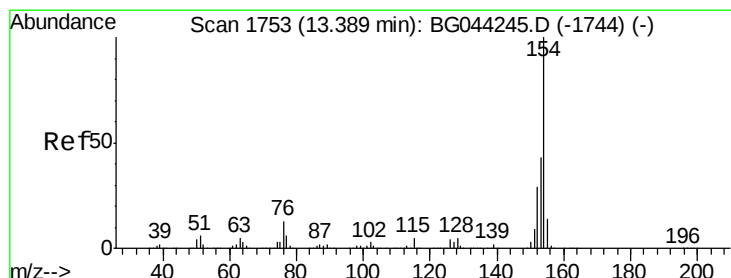
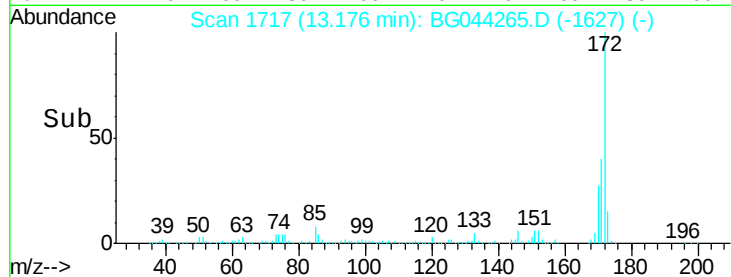
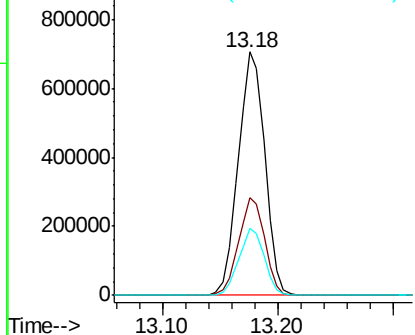


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 48.371 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

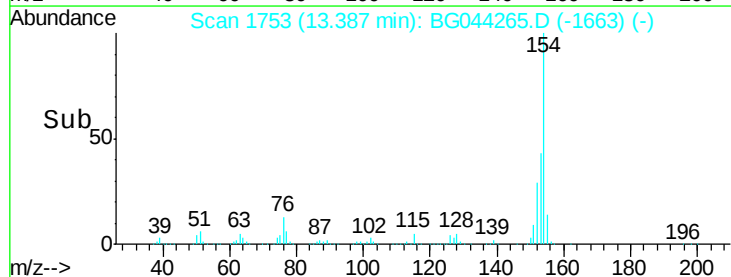
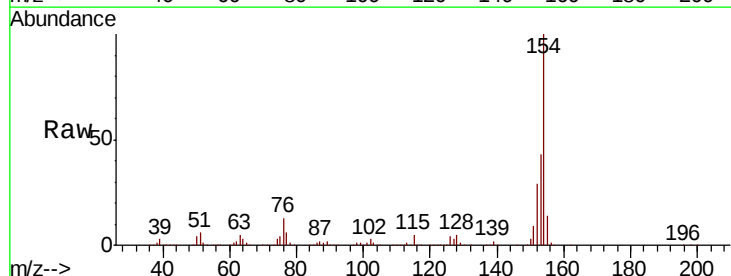
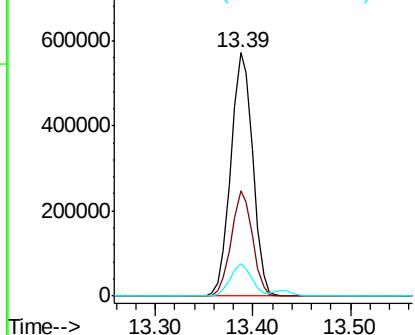
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.4	22.7	62.7
76	13.1	0.0	32.9

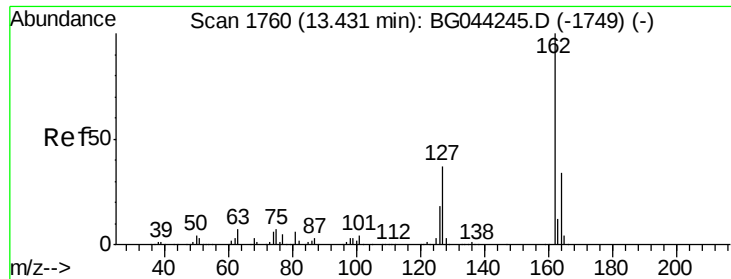
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





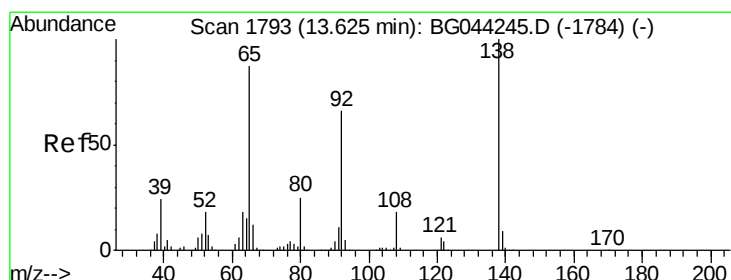
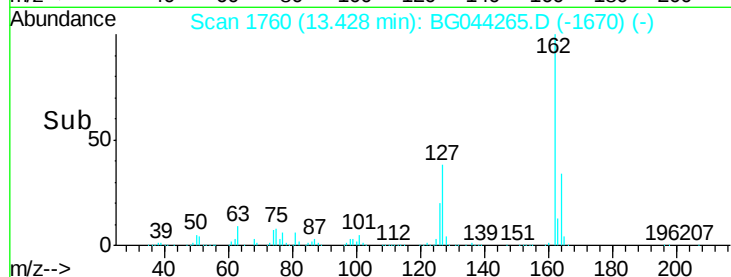
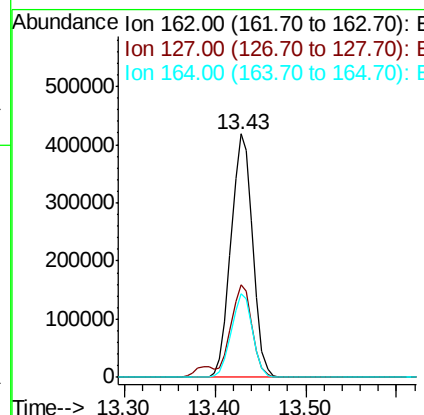
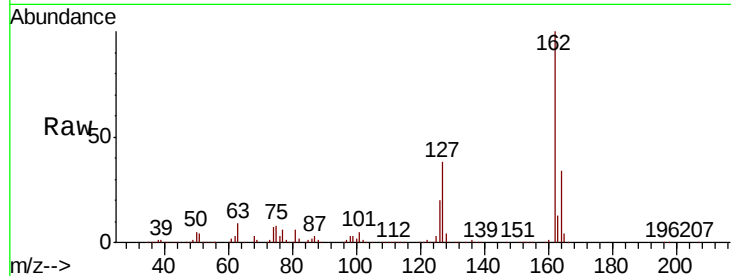
#47
 2-Chloronaphthalene
 Concen: 47.507 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.8	30.0	45.0
164	34.3	27.2	40.8

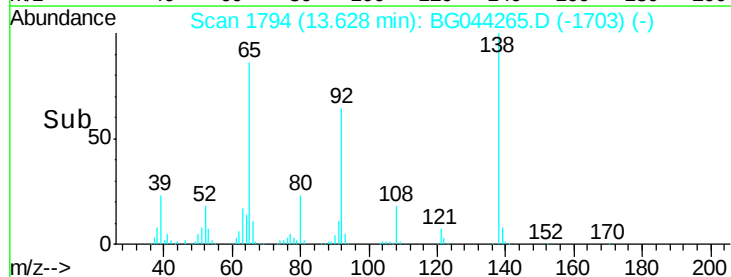
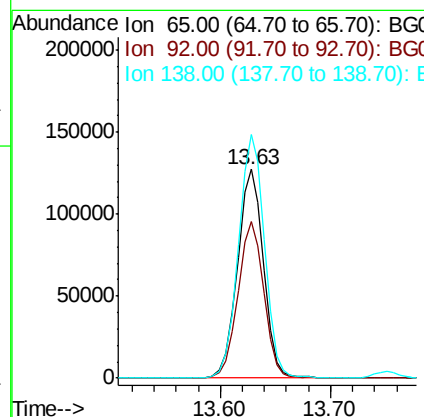
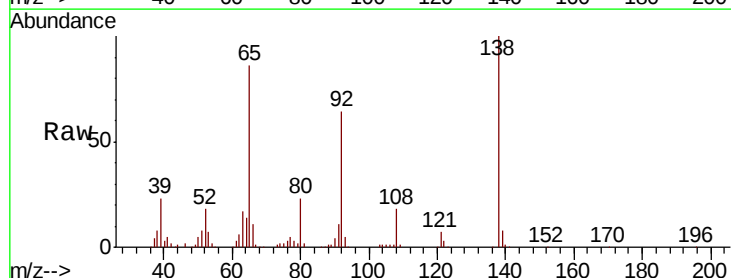
Manual Integrations
 APPROVED

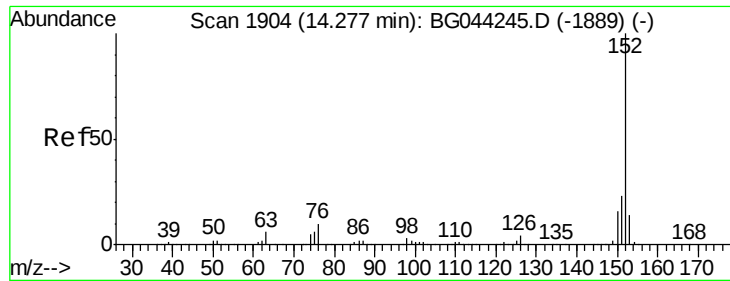
mohammad
 2/3/2020 4:10:51 PM



#48
 2-Nitroaniline
 Concen: 48.800 ng
 RT: 13.63 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.0	60.3	90.5
138	116.7	91.9	137.9





#49

Acenaphthylene

Concen: 51.412 ng

RT: 14.27 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

ClientSampleId :

C-1_013020MSD

Tot Ion:152 Resp: 1101738

Ion Ratio Lower Upper

152 100

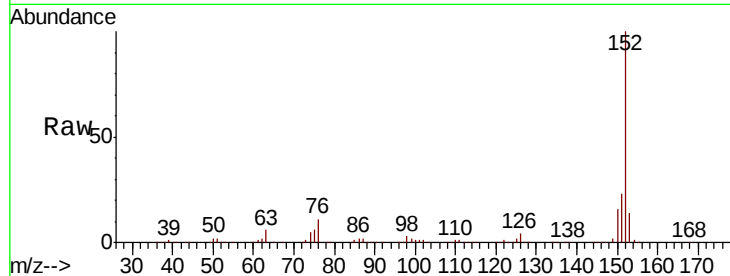
151 22.9 18.1 27.1

153 14.4 11.5 17.3

Manual Integrations
APPROVED

mohammad

2/3/2020 4:10:51 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

800000

600000

400000

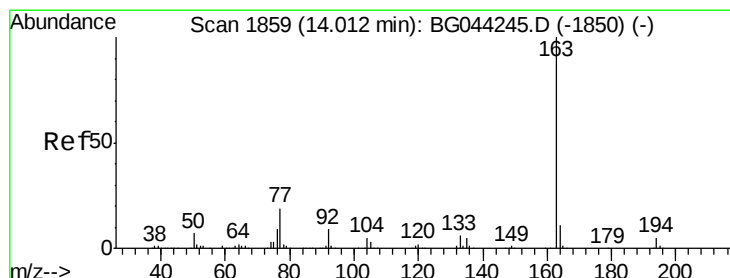
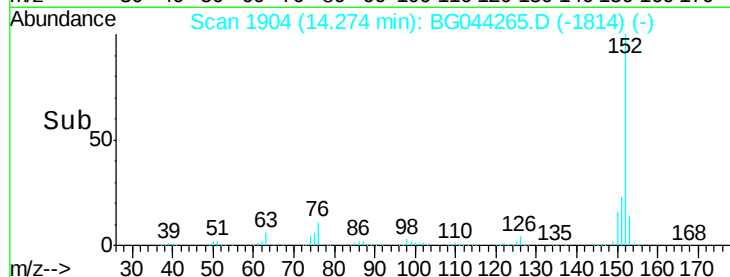
200000

0

14.10 14.20 14.30 14.40

14.27

Time-->



#50

Dimethylphthalate

Concen: 56.813 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

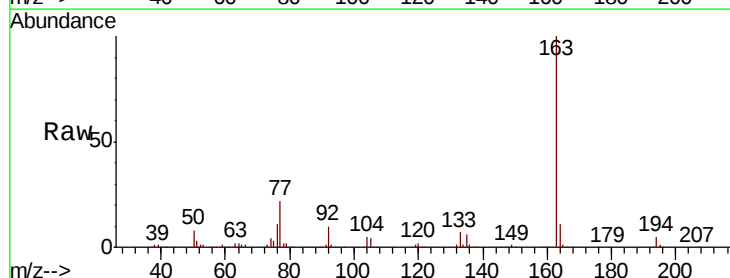
Tgt Ion:163 Resp: 1039532

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

164 11.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

800000

600000

400000

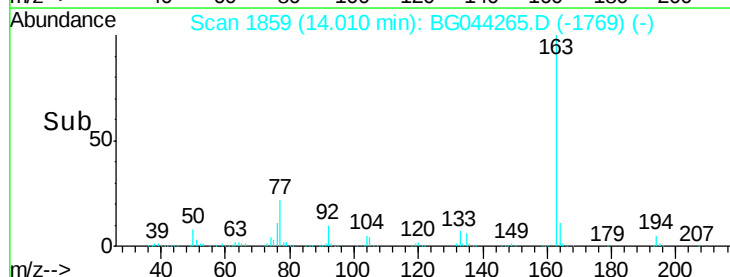
200000

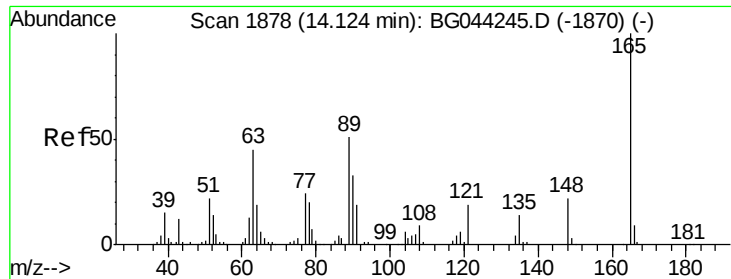
0

13.90 14.00 14.10

14.01

Time-->





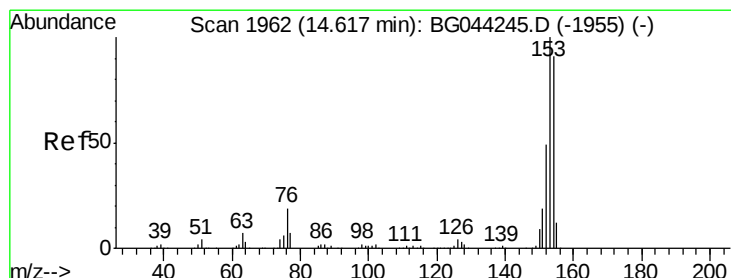
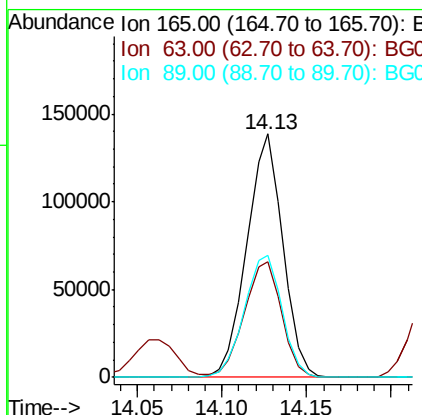
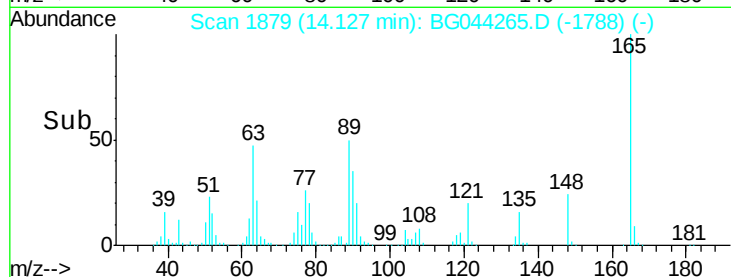
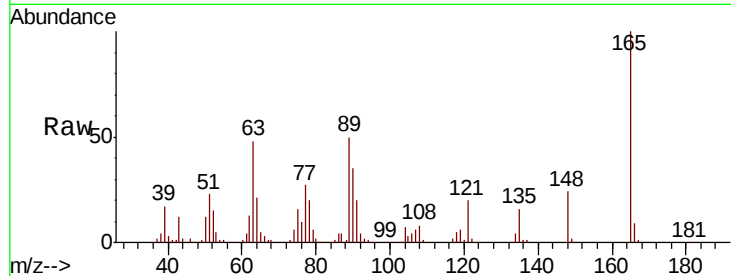
#51
2,6-Dinitrotoluene
Concen: 50.220 ng
RT: 14.13 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.7	38.7	58.1
89	50.1	40.4	60.6

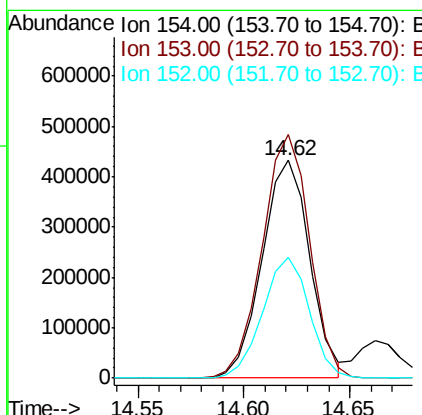
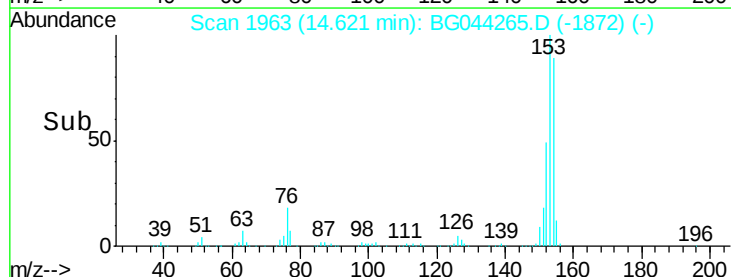
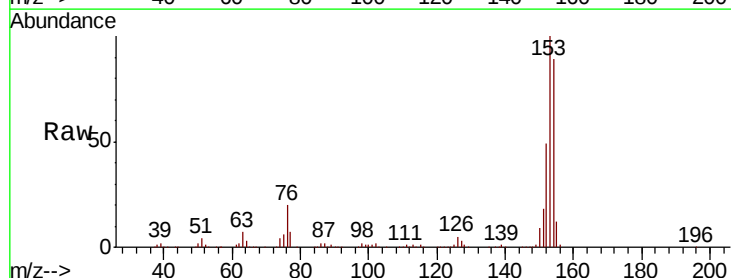
Manual Integrations
APPROVED

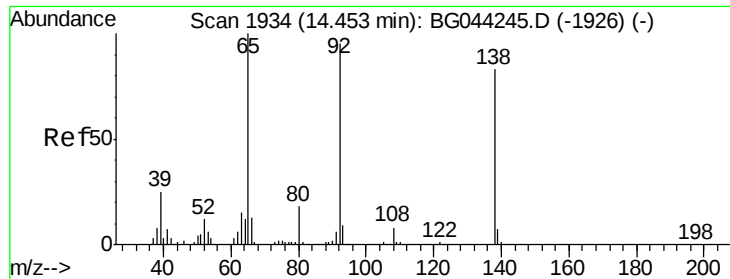
mohammad
2/3/2020 4:10:51 PM



#52
Acenaphthene
Concen: 48.856 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	87.9	131.9
152	55.2	43.1	64.7





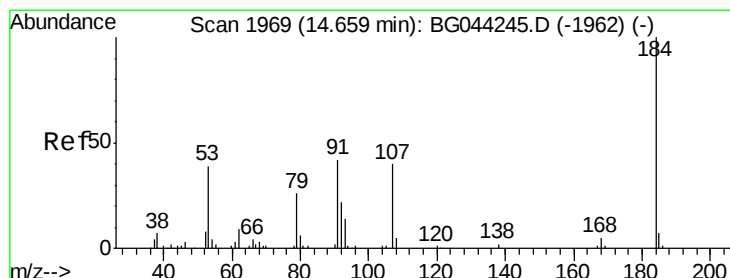
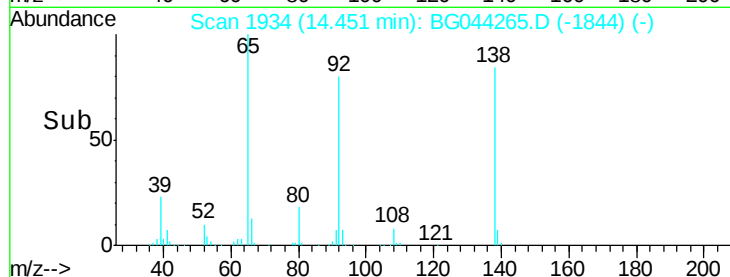
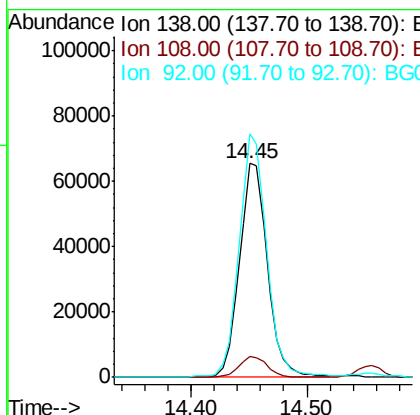
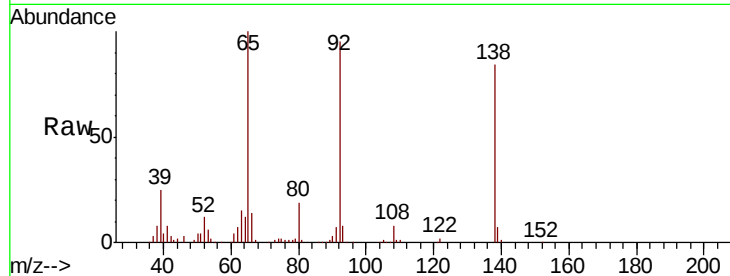
#53
 3-Nitroaniline
 Concen: 24.459 ng
 RT: 14.45 min Scan# 1934
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.9	11.9
92	114.0	91.0	136.4

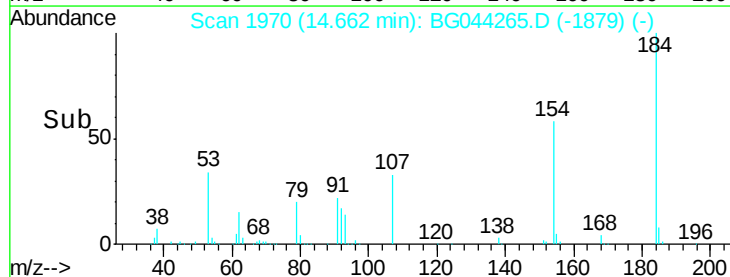
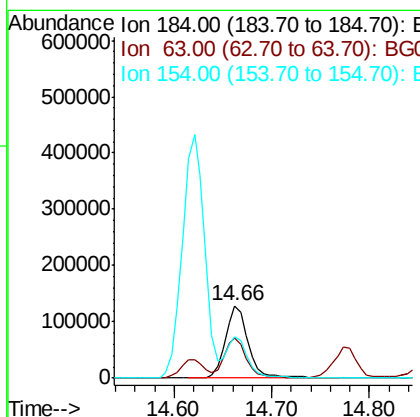
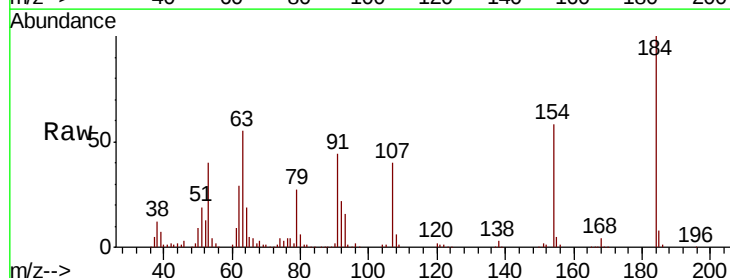
Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:10:51 PM



#54
 2,4-Dinitrophenol
 Concen: 86.259 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.0	44.1	66.1
154	58.1	45.4	68.0





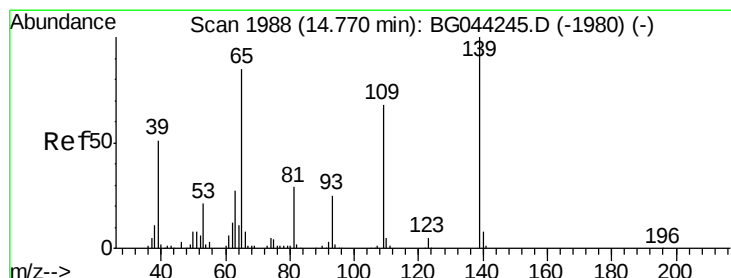
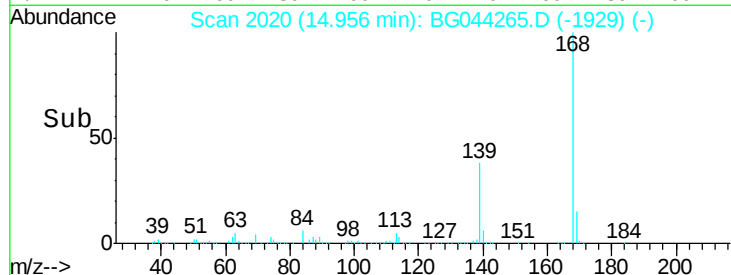
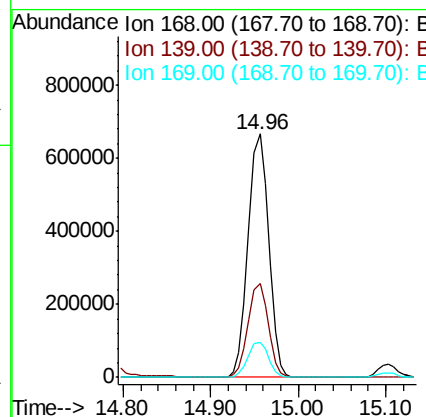
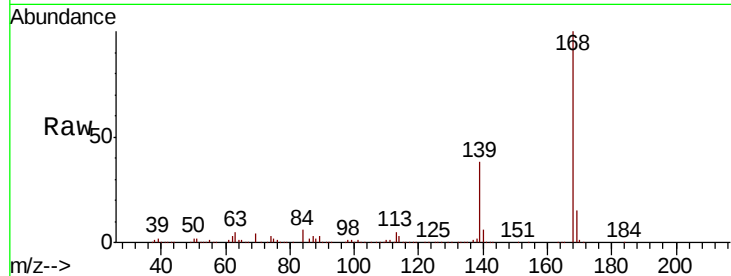
#55
Dibenzofuran
Concen: 50.167 ng
RT: 14.96 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion:168 Resp: 1055020
Ion Ratio Lower Upper
168 100
139 38.4 30.5 45.7
169 14.5 11.7 17.5

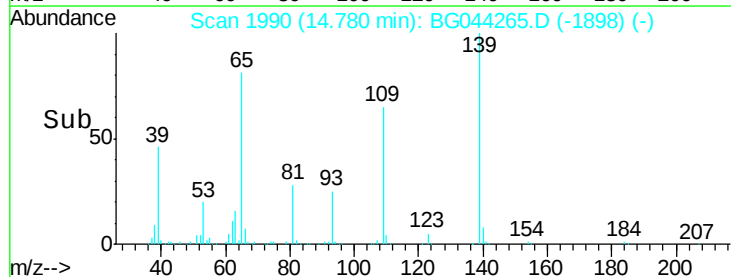
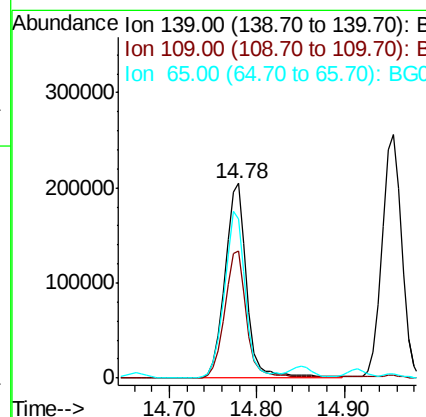
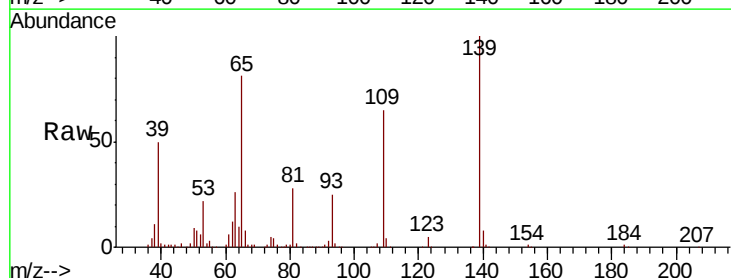
Manual Integrations
APPROVED

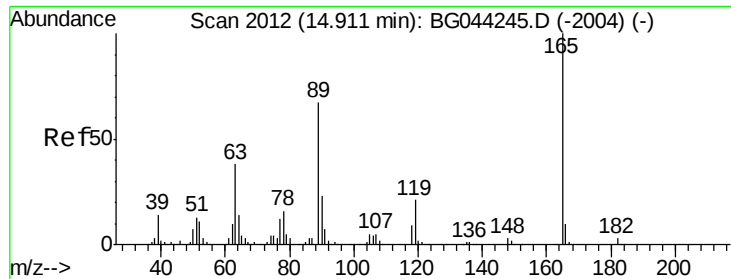
mohammad
2/3/2020 4:10:51 PM



#56
4-Nitrophenol
Concen: 107.267 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.01 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion:139 Resp: 354648
Ion Ratio Lower Upper
139 100
109 65.3 47.5 87.5
65 81.4 64.9 104.9





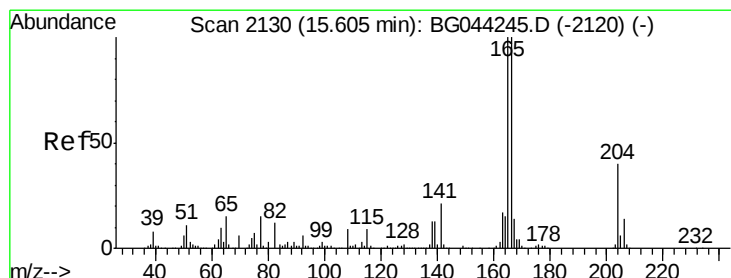
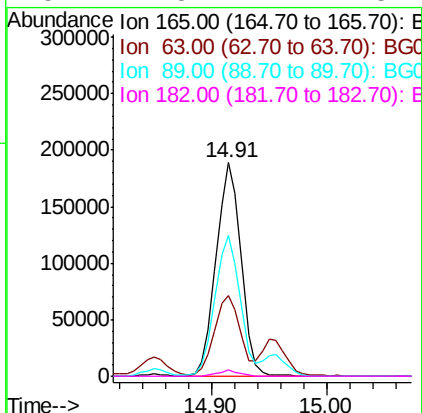
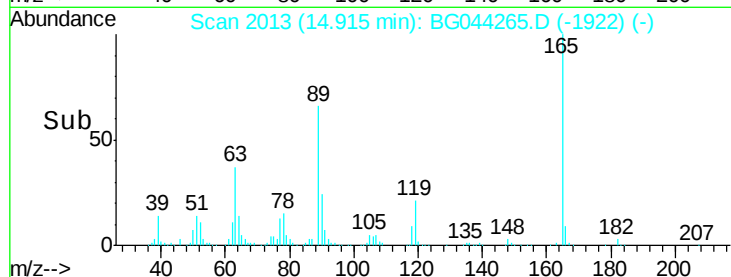
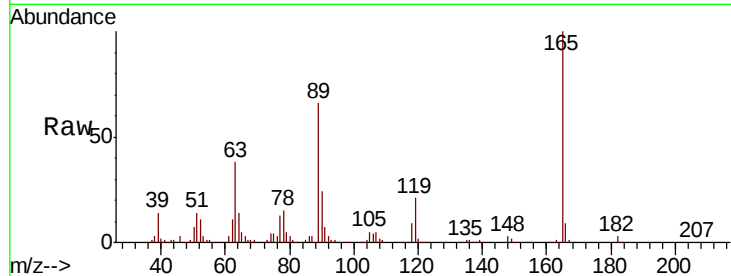
#57
2,4-Dinitrotoluene
Concen: 49.180 ng
RT: 14.91 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	281212		
63	37.5	30.3	45.5	
89	66.1	53.4	80.2	
182	2.8	2.1	3.1	

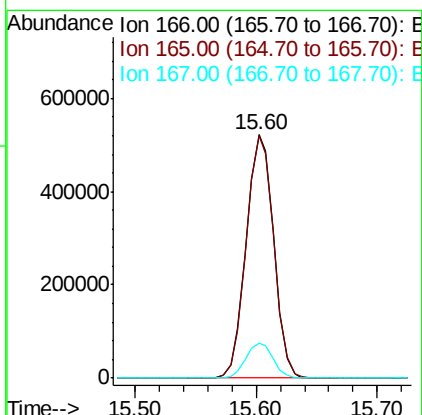
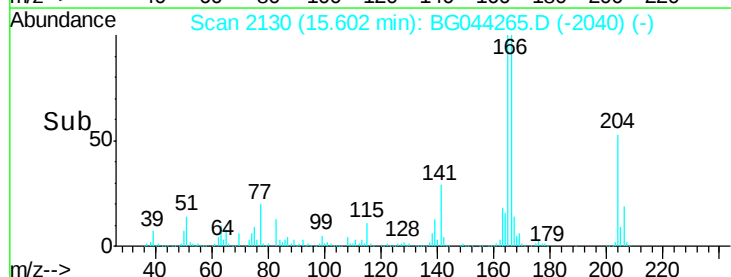
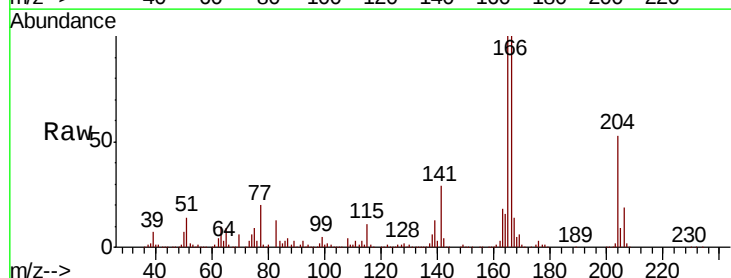
Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#58
Fluorene
Concen: 50.101 ng
RT: 15.60 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	829876		
165	99.7	79.9	119.9	
167	14.5	11.4	17.0	





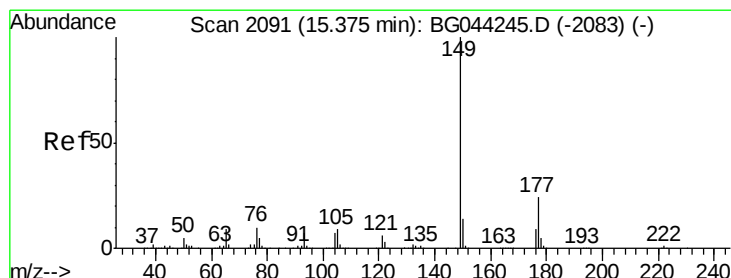
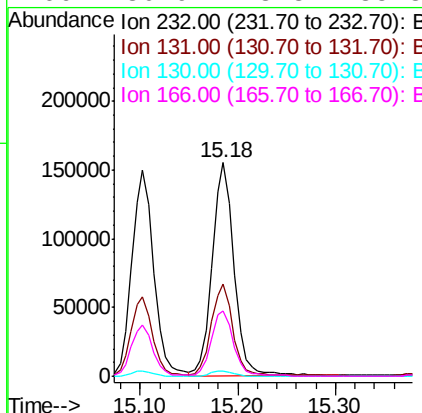
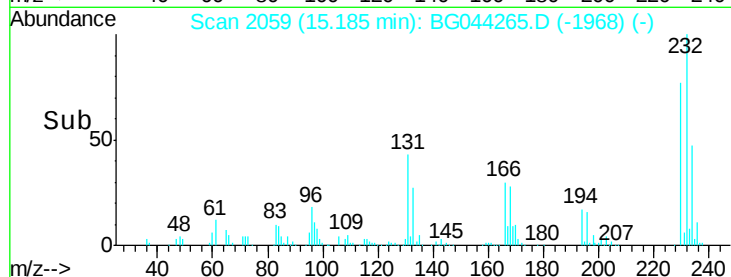
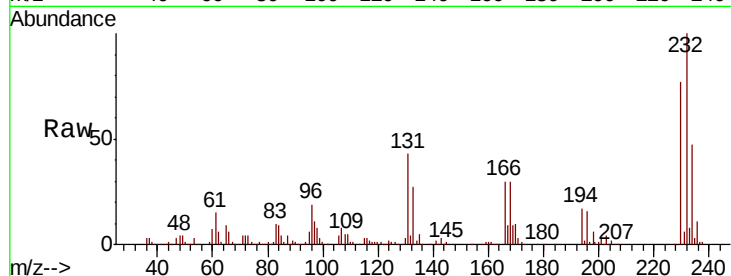
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.628 ng
 RT: 15.18 min Scan# 2059
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.6	34.2	51.4
130	2.5	1.8	2.8
166	30.9	23.8	35.8

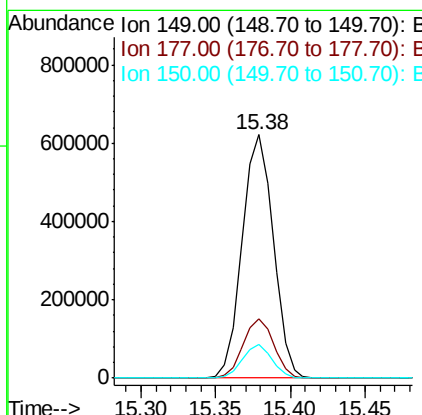
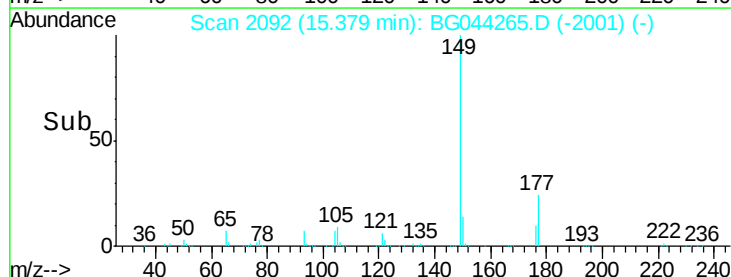
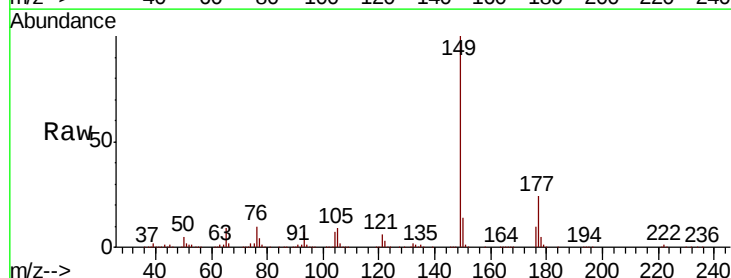
Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:10:51 PM



#60
 Diethylphthalate
 Concen: 49.143 ng
 RT: 15.38 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.4	19.4	29.0
150	13.6	10.9	16.3





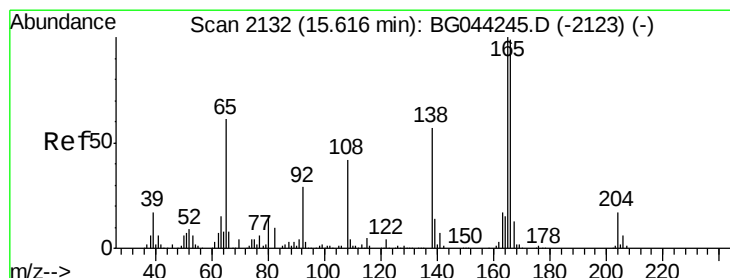
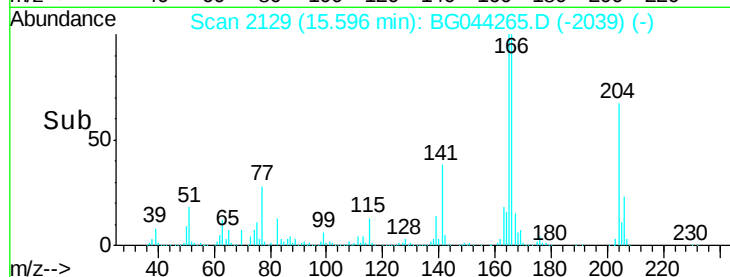
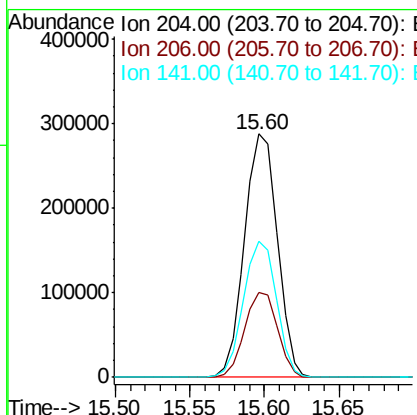
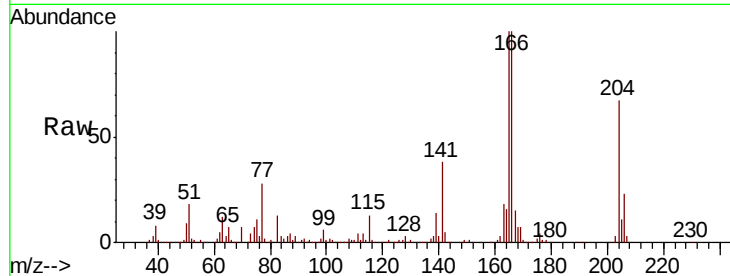
#61
 4-Chlorophenyl-phenylether
 Concen: 48.928 ng
 RT: 15.60 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion:	204	Resp:	439429
Ion Ratio		Lower	Upper
204	100		
206	34.8	27.6	41.4
141	55.8	43.4	65.0

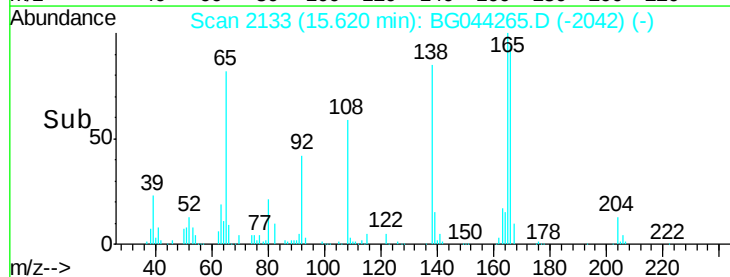
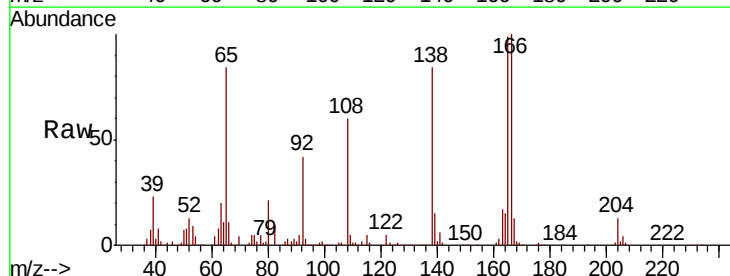
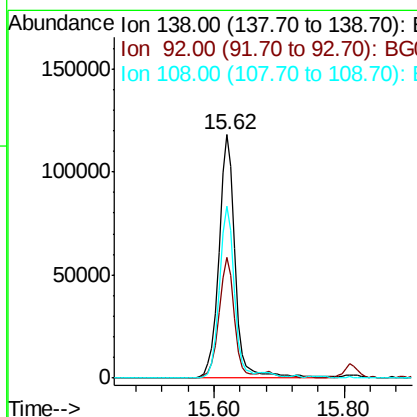
Manual Integrations
 APPROVED

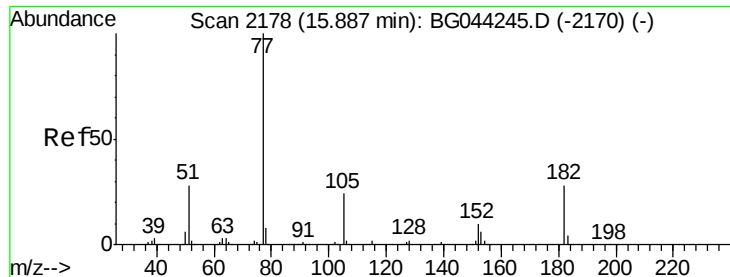
mohammad
 2/3/2020 4:10:51 PM



#62
 4-Nitroaniline
 Concen: 45.298 ng
 RT: 15.62 min Scan# 2133
 Delta R.T. 0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion:	138	Resp:	204299
Ion Ratio		Lower	Upper
138	100		
92	49.9	31.3	71.3
108	70.9	52.6	92.6





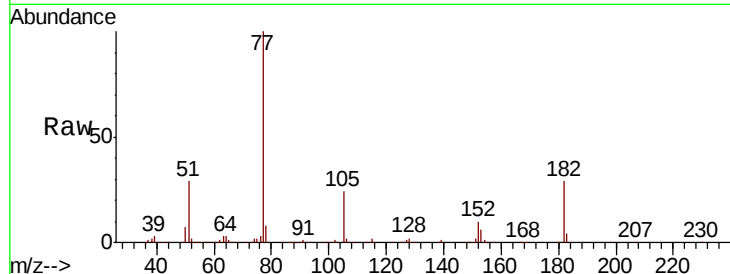
#63
Azobenzene
Concen: 51.141 ng
RT: 15.89 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

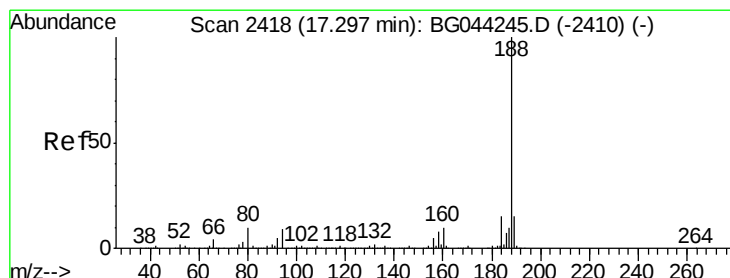
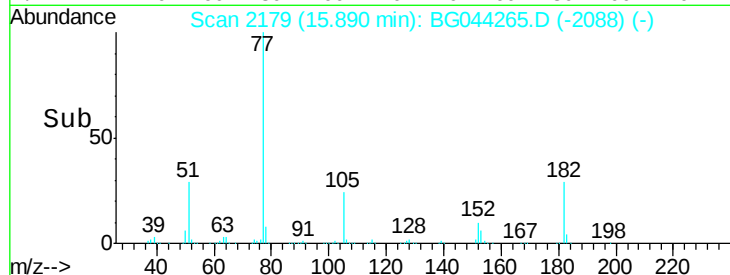
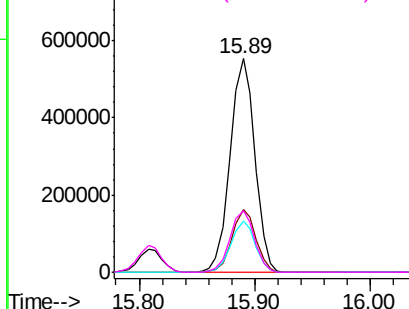
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	29.1	8.2	48.2	
105	24.2	3.6	43.6	
51	28.7	8.3	48.3	

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



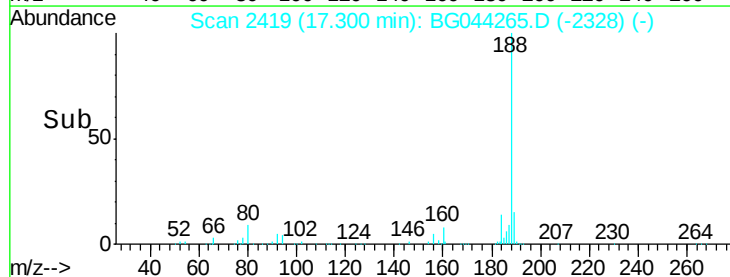
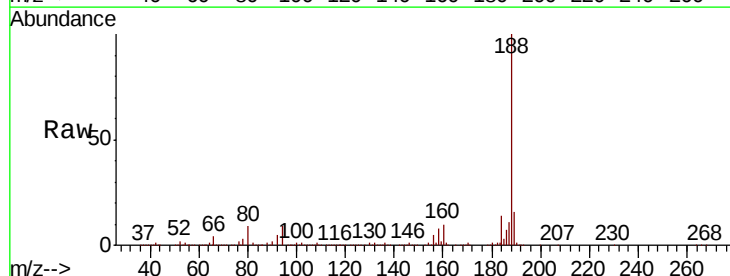
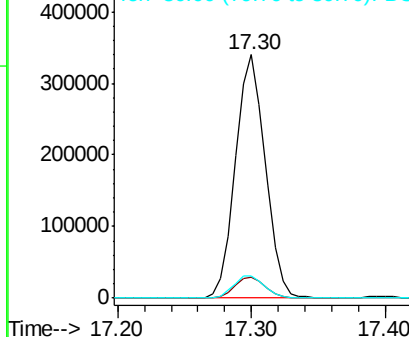
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

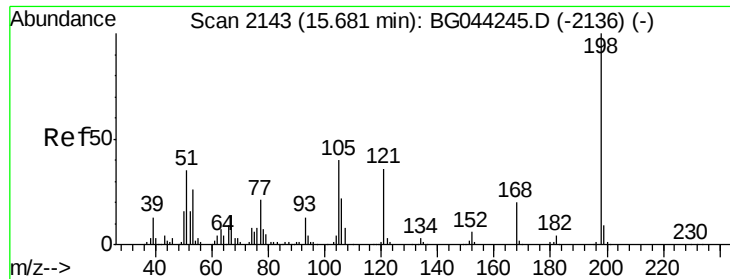


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.6	7.4	11.2	
80	9.0	7.7	11.5	

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





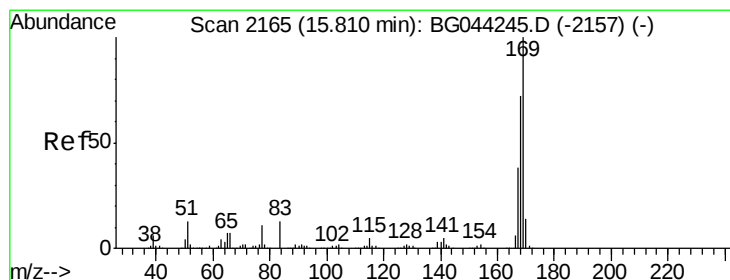
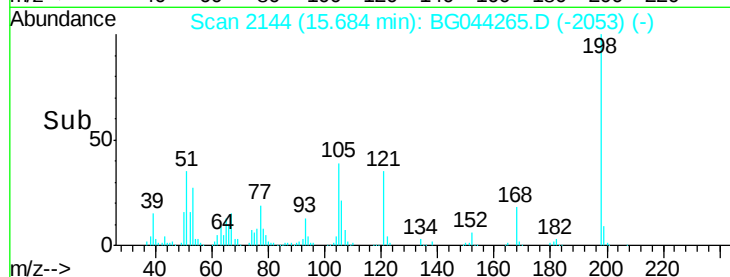
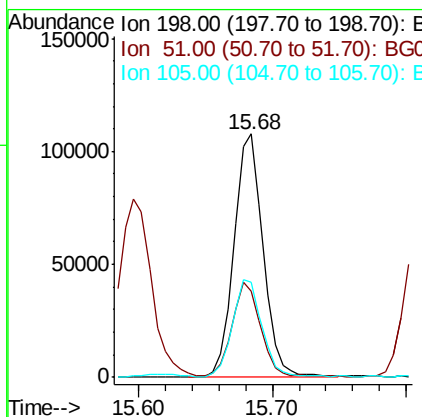
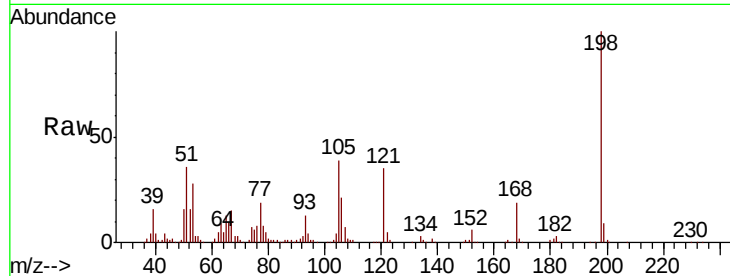
#65
4,6-Dinitro-2-methylphenol
Concen: 56.150 ng
RT: 15.68 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	35.5	16.6	56.6
105	39.3	20.6	60.6

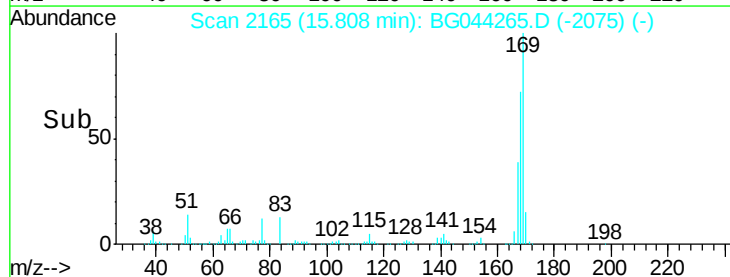
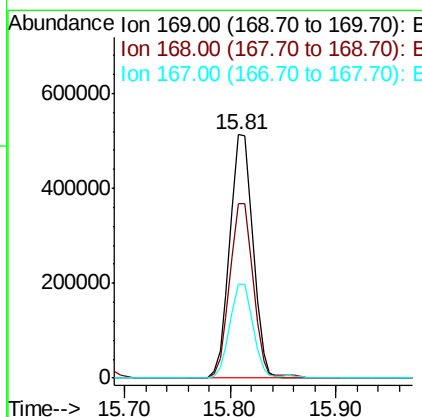
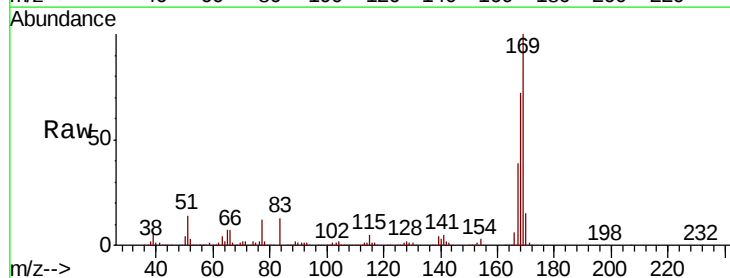
Manual Integrations
APPROVED

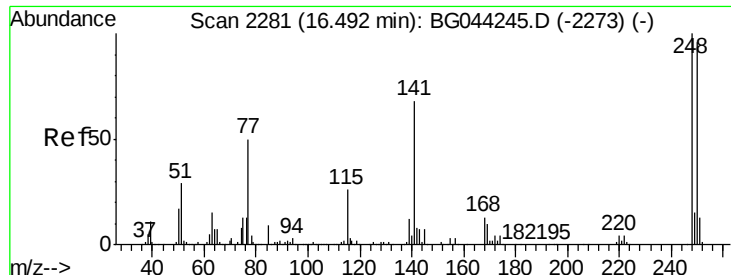
mohammad
2/3/2020 4:10:51 PM



#66
n-Nitrosodiphenylamine
Concen: 52.687 ng
RT: 15.81 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.8	57.9	86.9
167	38.5	30.7	46.1





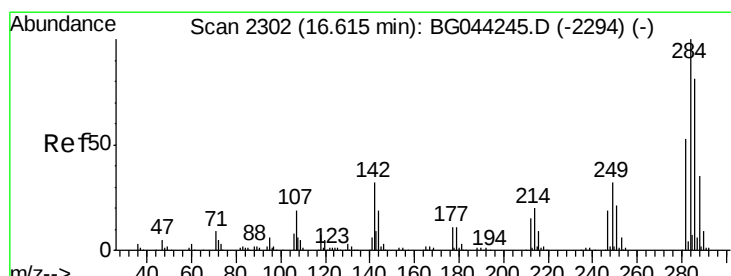
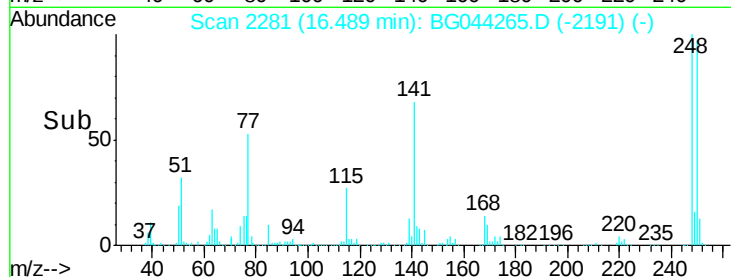
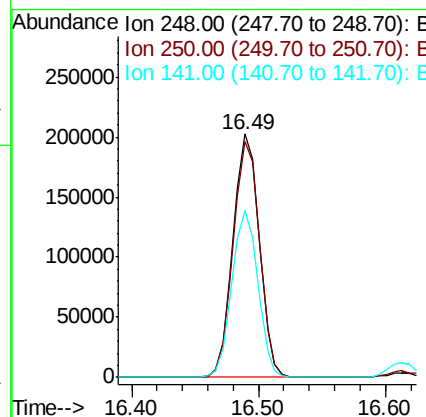
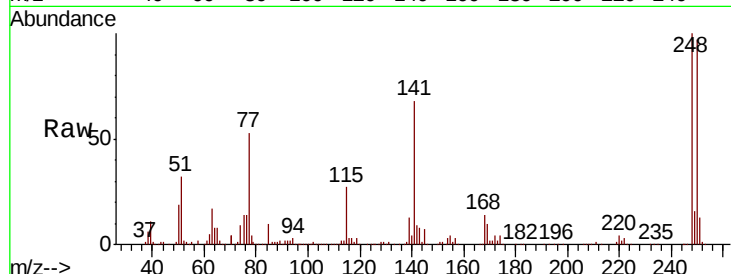
#67
4-Bromophenyl-phenylether
Concen: 50.295 ng
RT: 16.49 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.6	114.8
141	68.4	54.7	82.1

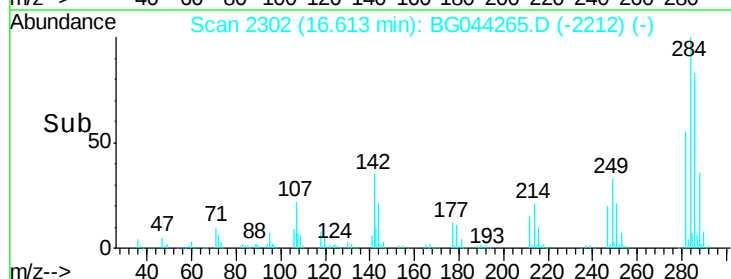
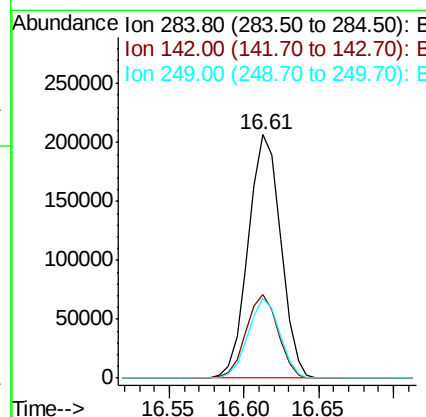
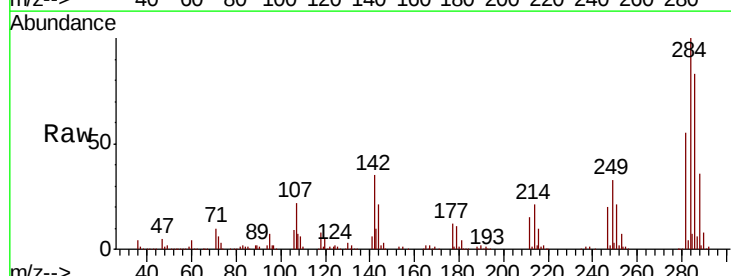
Manual Integrations
APPROVED

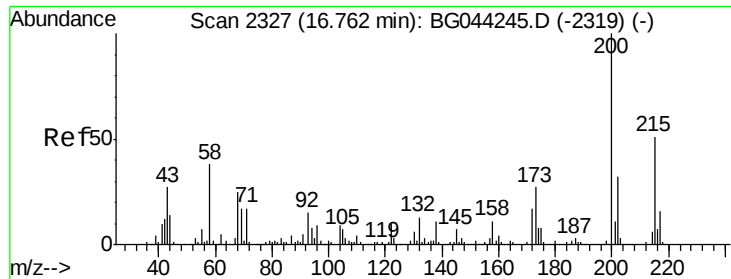
mohammad
2/3/2020 4:10:51 PM



#68
Hexachlorobenzene
Concen: 48.252 ng
RT: 16.61 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.6	25.3	37.9
249	32.5	25.5	38.3





#69

Atrazine

Concen: 56.632 ng

RT: 16.76 min Scan# 2327

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

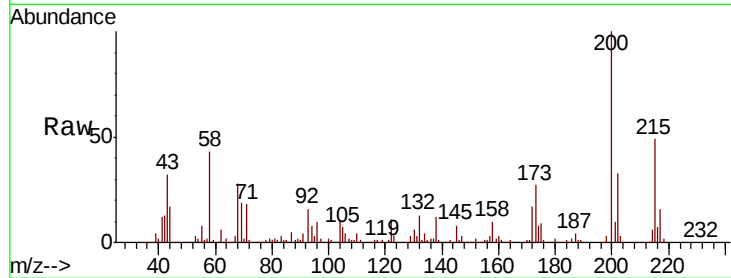
ClientSampleId :

C-1_013020MSD

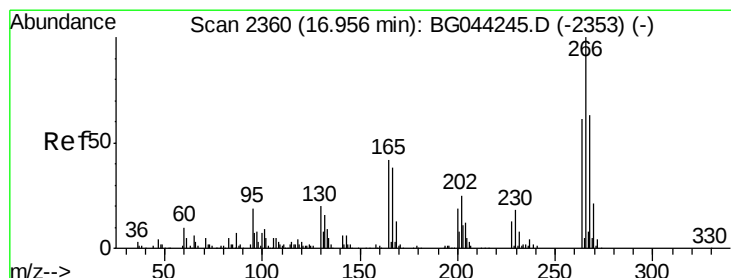
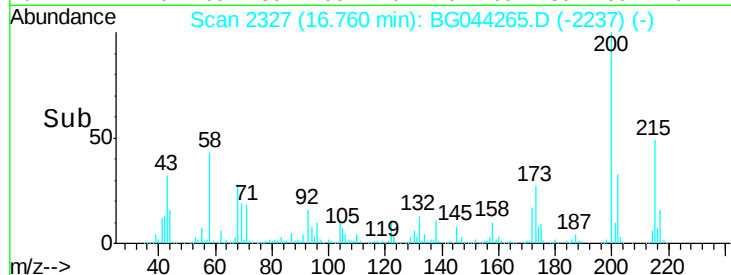
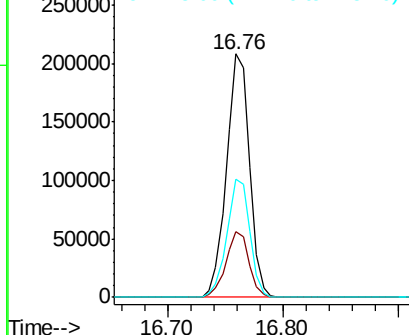
Tot Ion:	200	Resp:	286751
Ion Ratio	Lower	Upper	
200	100		
173	26.8	6.6	46.6
215	48.7	31.0	71.0

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



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



#70

Pentachlorophenol

Concen: 99.908 ng

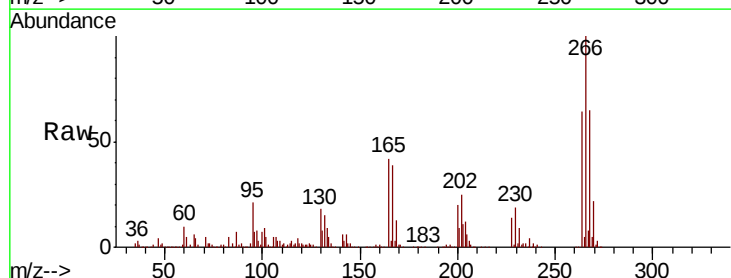
RT: 16.96 min Scan# 2361

Delta R.T. 0.00 min

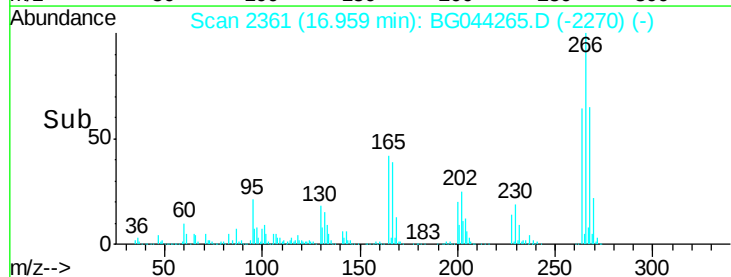
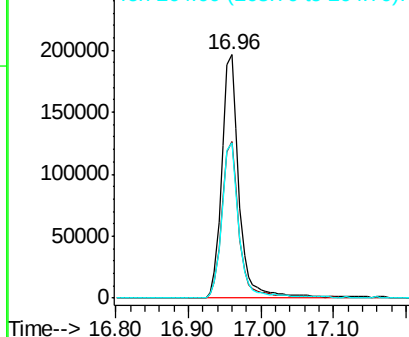
Lab File: BG044265.D

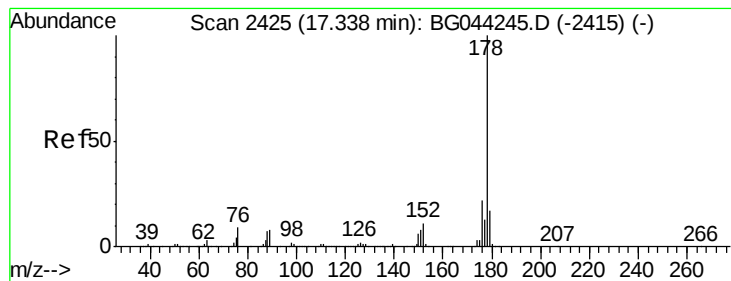
Acq: 31 Jan 2020 18:25

Tgt Ion:	266	Resp:	327717
Ion Ratio	Lower	Upper	
266	100		
268	64.5	50.6	75.8
264	63.6	48.7	73.1



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: 49.944 ng

RT: 17.34 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

ClientSampleId :

C-1_013020MSD

Tot Ion:178 Resp: 1274851

Ion Ratio Lower Upper

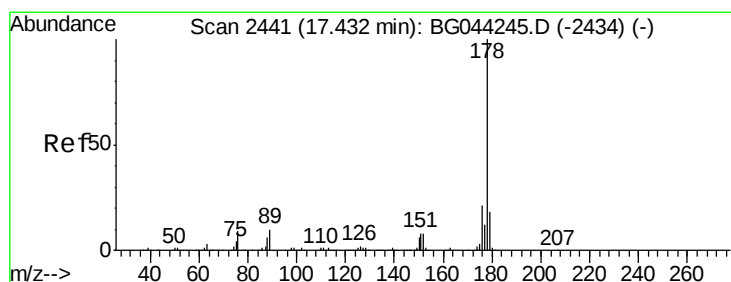
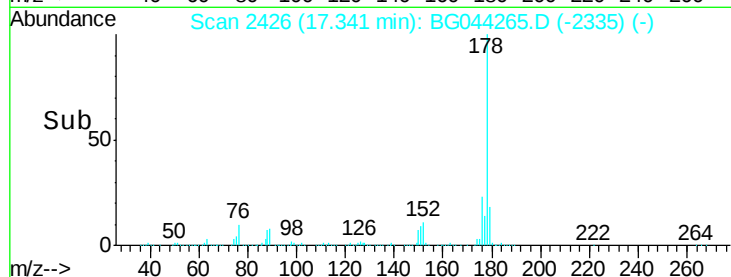
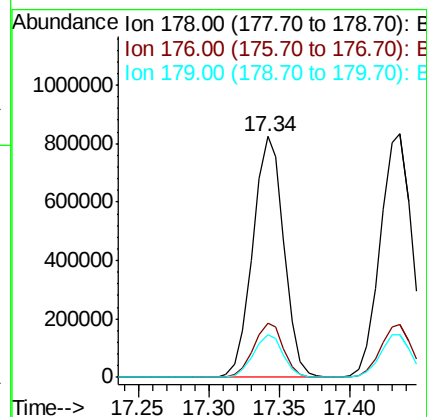
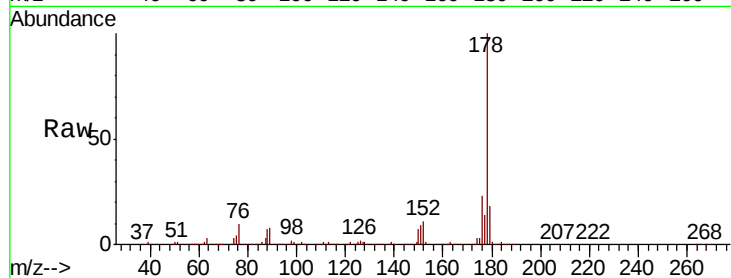
178 100

176 22.7 17.7 26.5

179 17.8 13.7 20.5

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#72

Anthracene

Concen: 51.897 ng

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

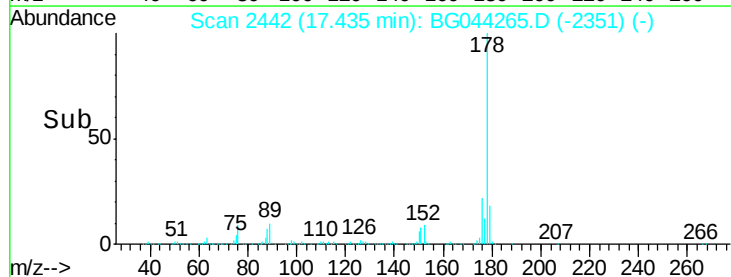
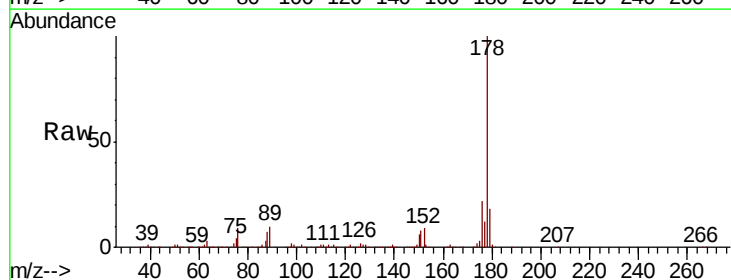
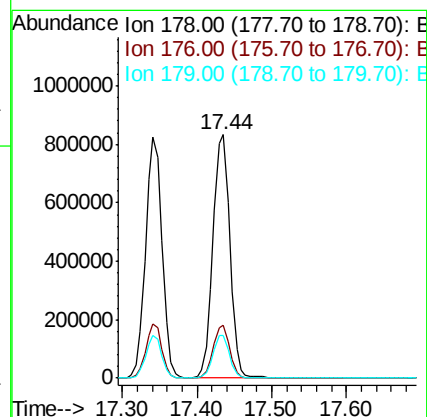
Tgt Ion:178 Resp: 1309690

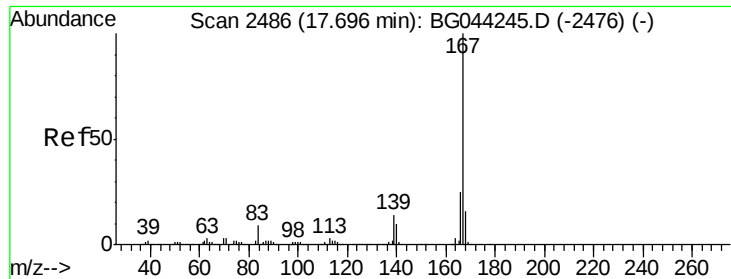
Ion Ratio Lower Upper

178 100

176 21.8 17.0 25.4

179 17.6 14.4 21.6





#73

Carbazole

Concen: 49.868 ng

RT: 17.70 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

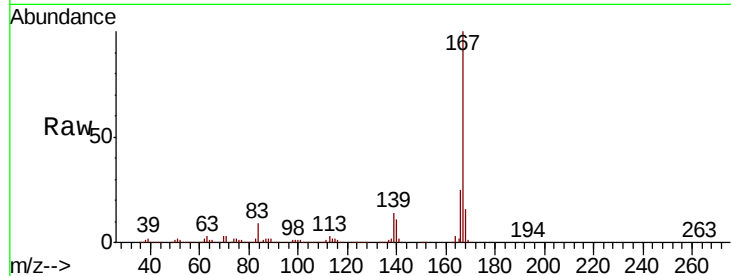
ClientSampleId :

C-1_013020MSD

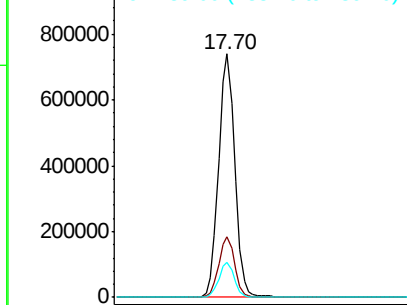
Tot Ion:	167	Resp:	1160181
Ion Ratio	Lower	Upper	
167	100		
166	25.1	19.8	29.6
139	14.2	11.1	16.7

Manual Integrations
APPROVED

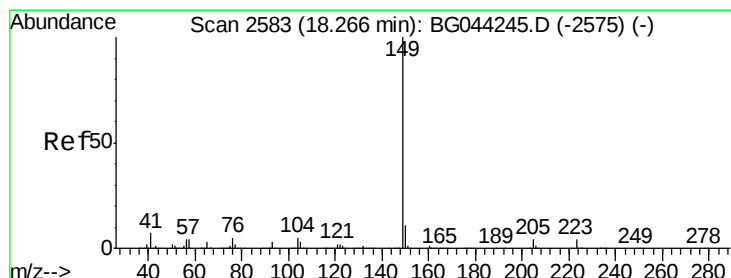
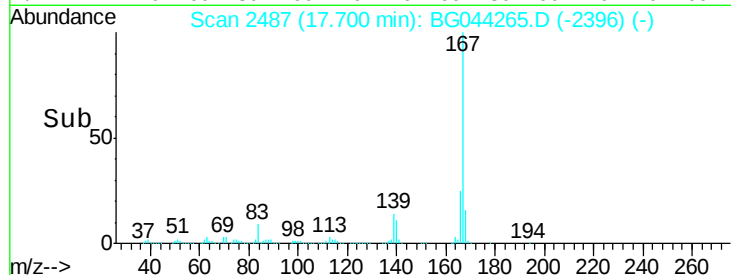
mohammad
2/3/2020 4:10:51 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 49.611 ng

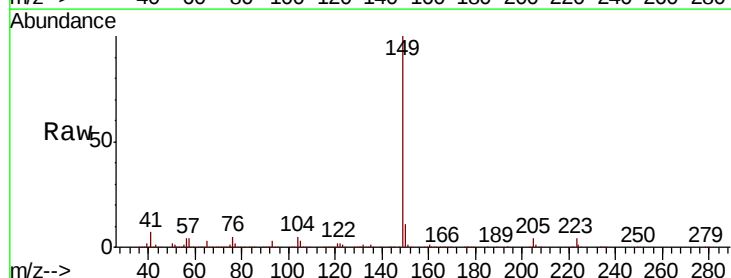
RT: 18.27 min Scan# 2584

Delta R.T. 0.00 min

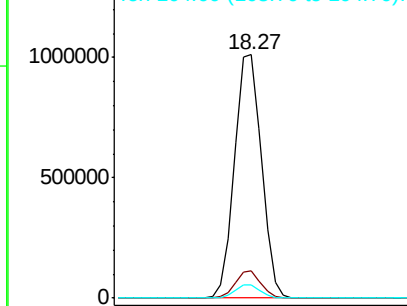
Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

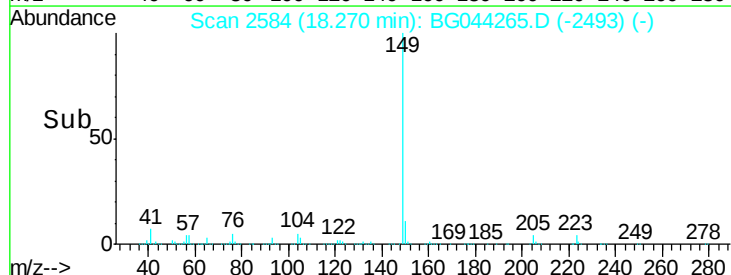
Tgt Ion:	149	Resp:	1426305
Ion Ratio	Lower	Upper	
149	100		
150	11.1	8.7	13.1
104	5.5	4.3	6.5

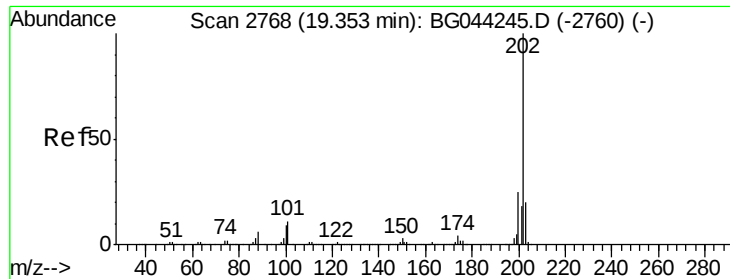


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: 49.108 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

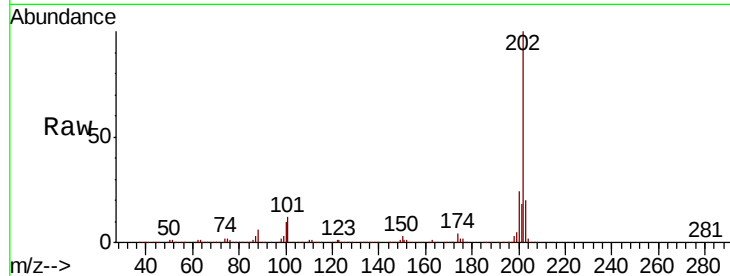
ClientSampled :

C-1_013020MSD

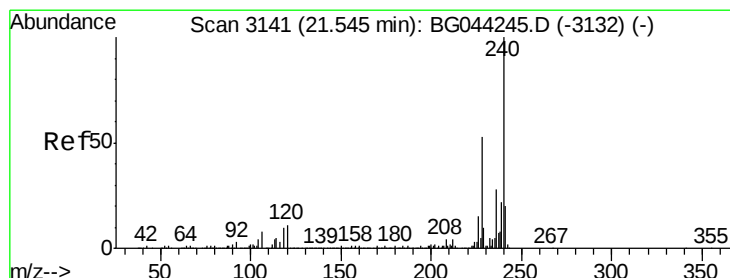
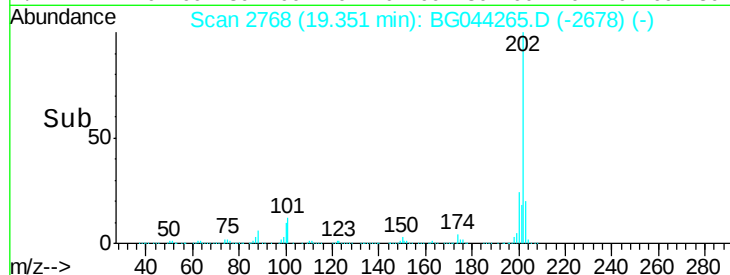
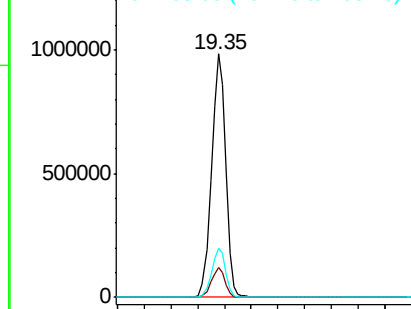
Tot Ion:	202	Resp:	1450101
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.3
203	20.4	0.0	39.9

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

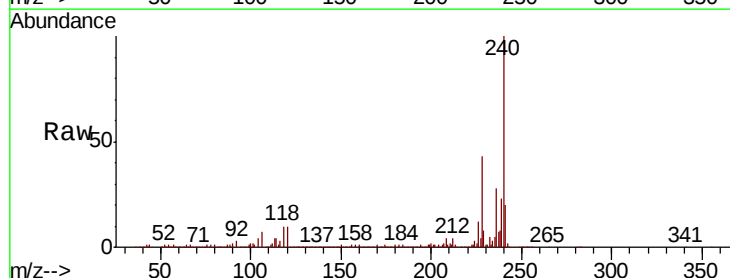
RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

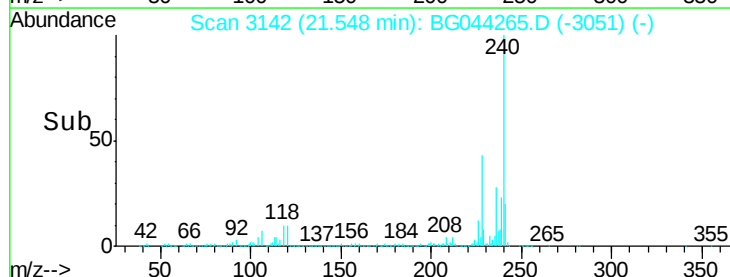
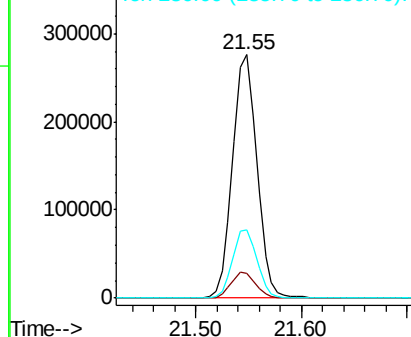
Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	240	Resp:	441437
Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	28.3	22.1	33.1



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: 35.891 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

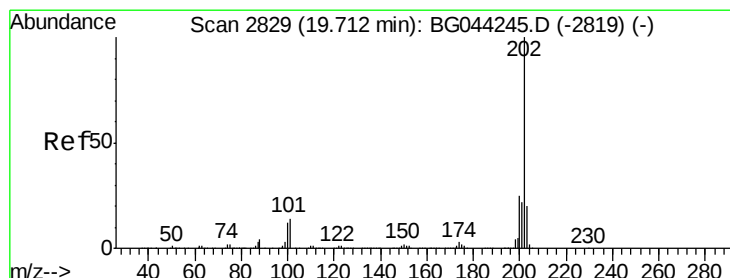
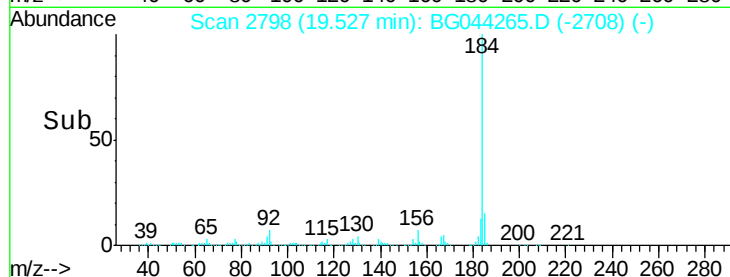
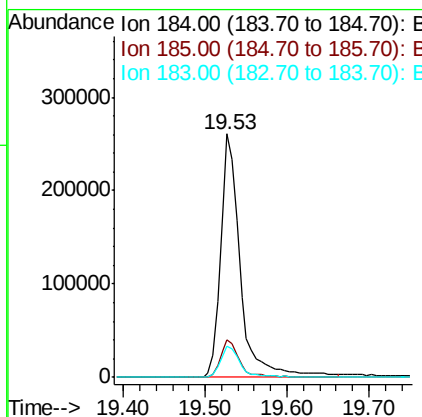
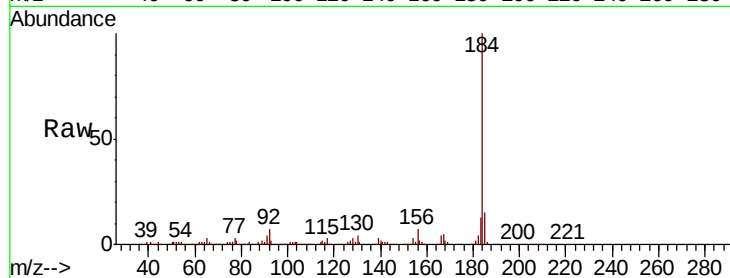
ClientSampleId :

C-1_013020MSD

Tot Ion:	184	Resp:	439464
Ion Ratio	Lower	Upper	
184	100		
185	15.4	12.9	19.3
183	12.8	10.8	16.2

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#78

Pyrene

Concen: 51.077 ng

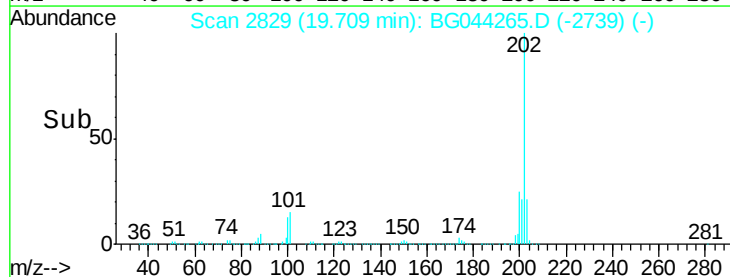
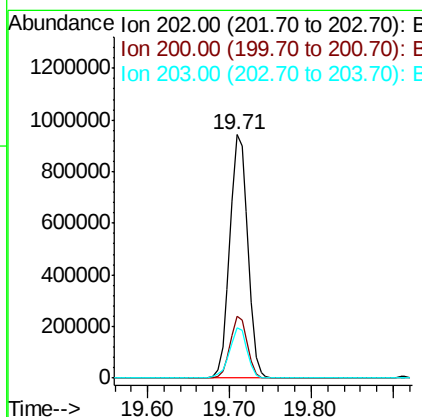
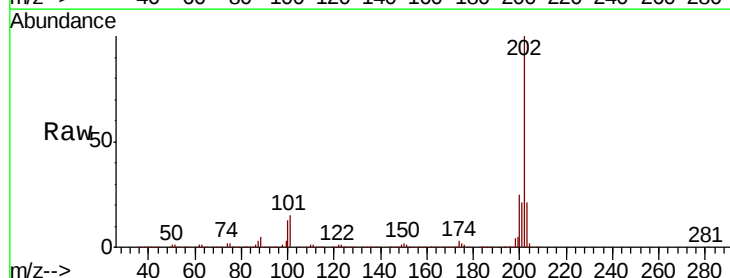
RT: 19.71 min Scan# 2829

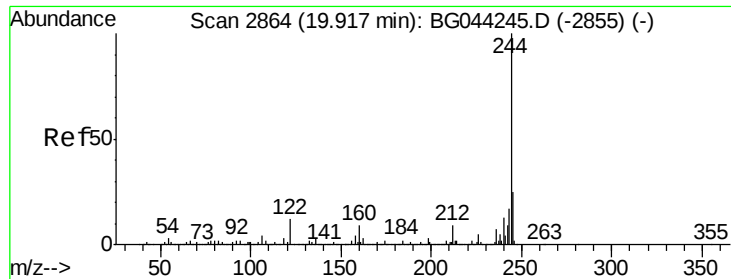
Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	202	Resp:	1447983
Ion Ratio	Lower	Upper	
202	100		
200	25.4	20.0	30.0
203	20.9	16.2	24.2





#79

Terphenyl-d14

Concen: 75.943 ng

RT: 19.91 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

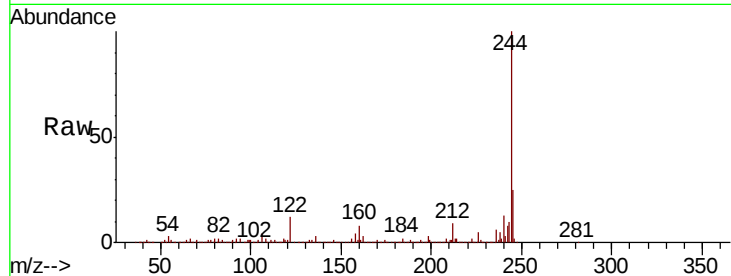
ClientSampleId :

C-1_013020MSD

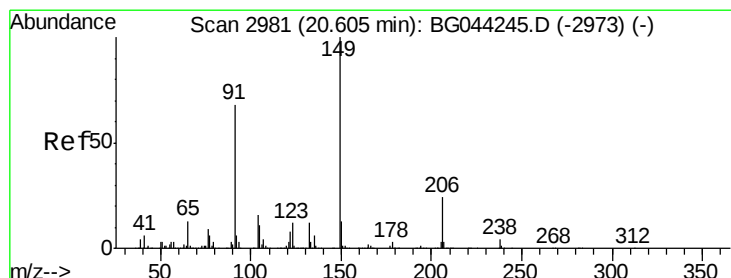
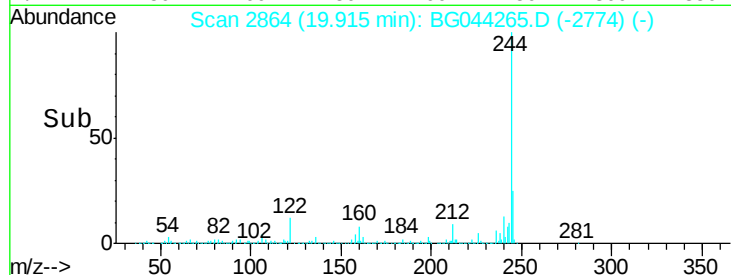
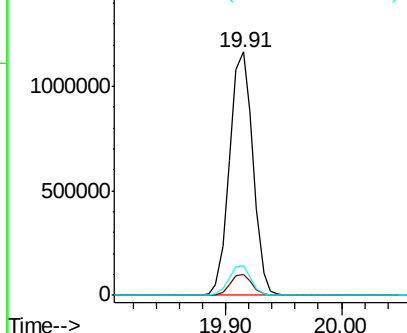
Tot Ion:	244	Resp:	1629867
Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.4	11.2
122	12.2	9.8	14.6

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 51.555 ng

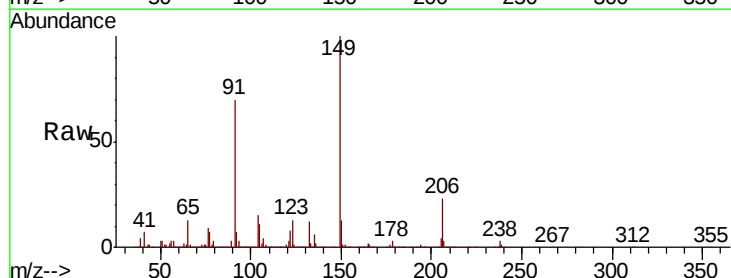
RT: 20.60 min Scan# 2981

Delta R.T. -0.00 min

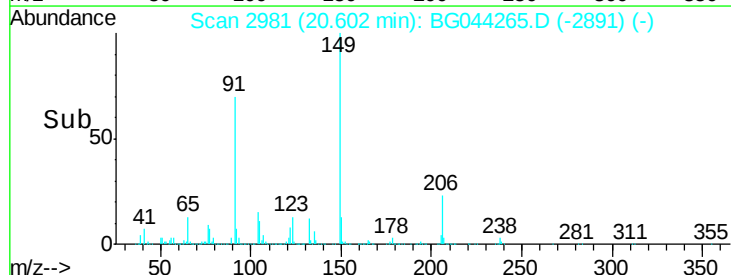
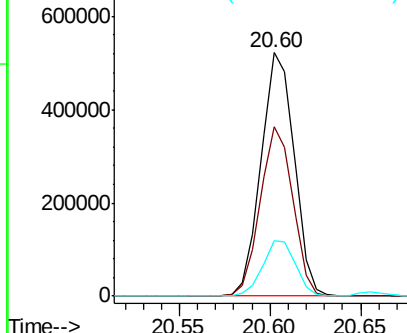
Lab File: BG044265.D

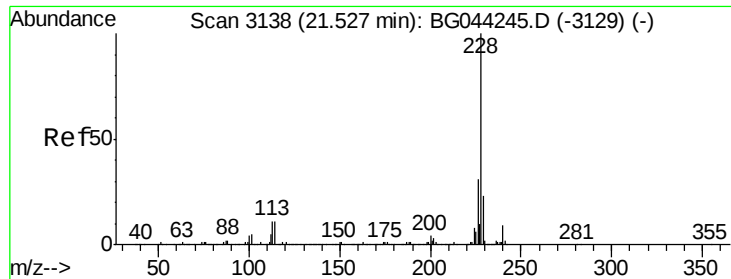
Acq: 31 Jan 2020 18:25

Tgt Ion:	149	Resp:	666038
Ion	Ratio	Lower	Upper
149	100		
91	69.8	54.5	81.7
206	22.6	19.1	28.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





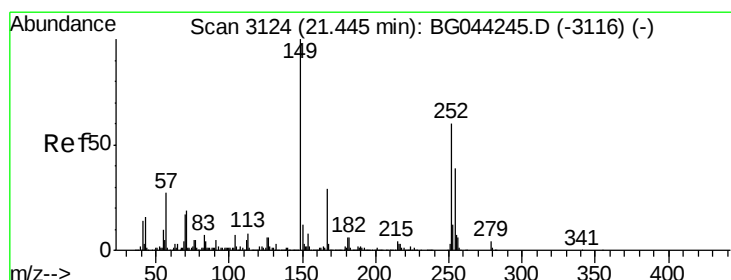
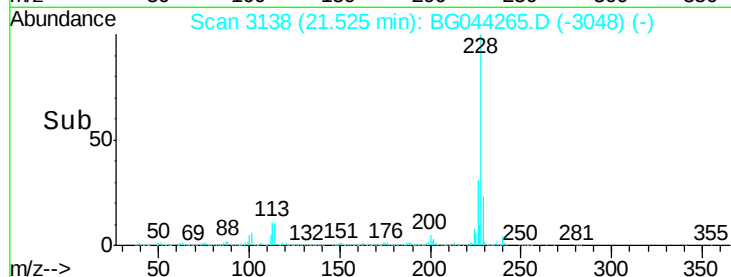
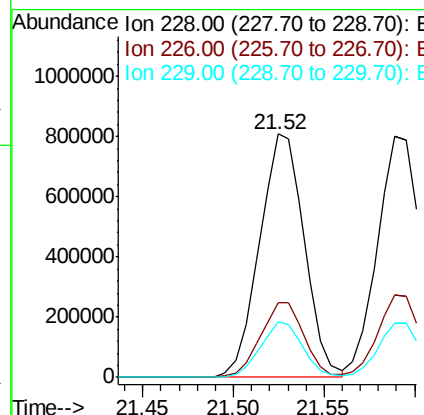
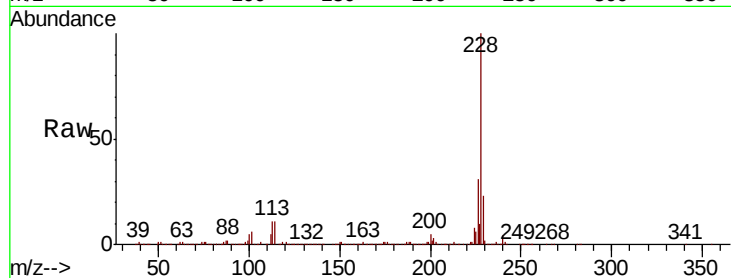
#81
Benzo(a)anthracene
Concen: 51.248 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	22.8	18.2	27.4

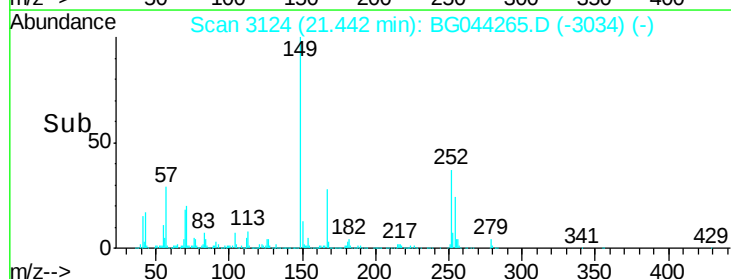
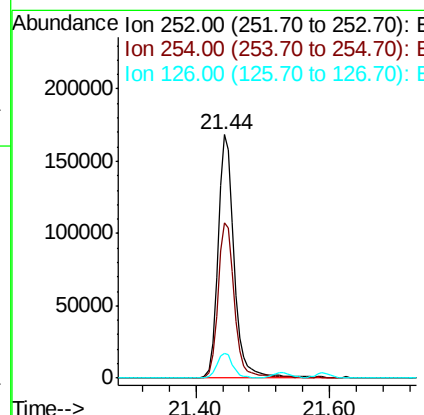
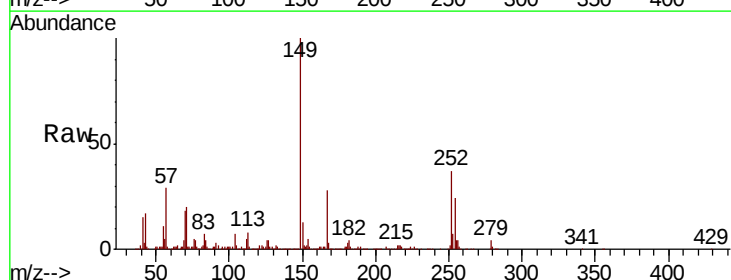
Manual Integrations
APPROVED

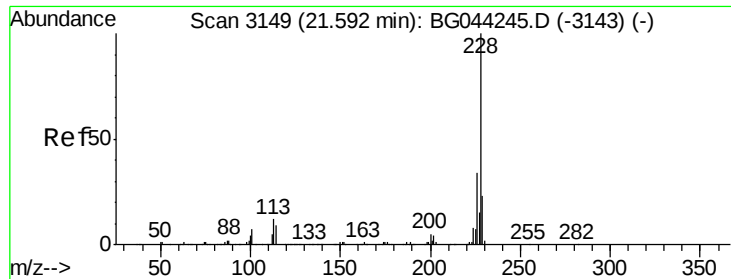
mohammad
2/3/2020 4:10:51 PM



#82
3,3'-Dichlorobenzidine
Concen: 27.300 ng
RT: 21.44 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.6	52.6	78.8
126	10.4	8.2	12.4





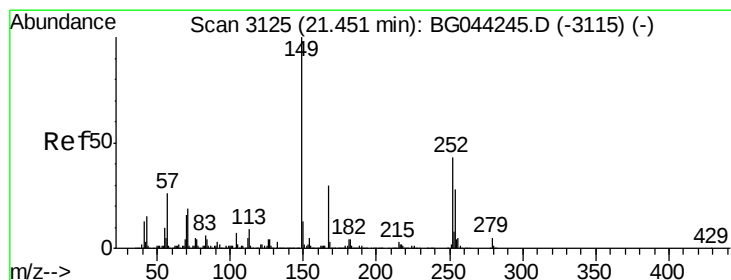
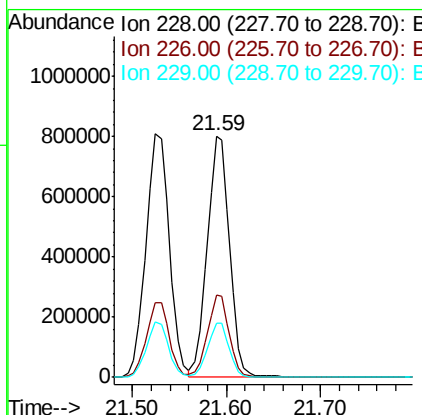
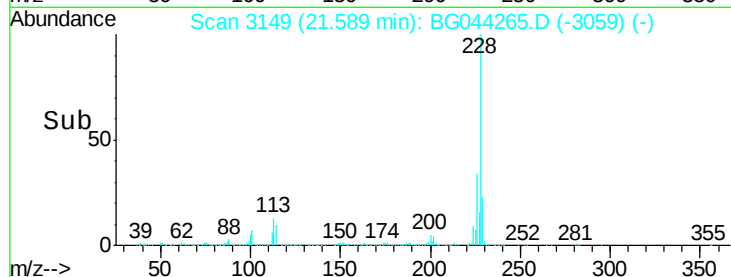
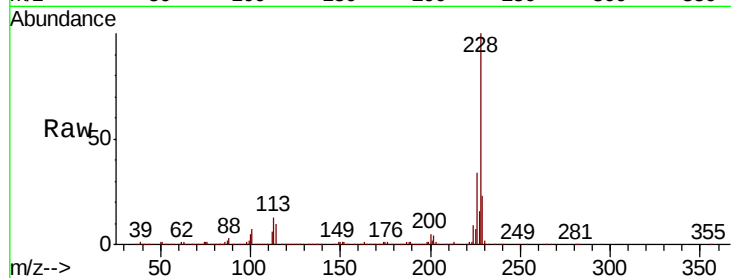
#83
 Chrvsene
 Concen: 50.727 ng
 RT: 21.59 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Instrument :
 BNA_G
 ClientSampleId :
 C-1_013020MSD

Tot Ion:228 Resp: 1333984
 Ion Ratio Lower Upper
 228 100
 226 34.3 27.1 40.7
 229 22.6 17.9 26.9

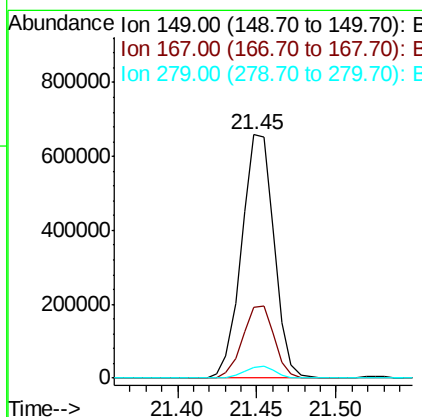
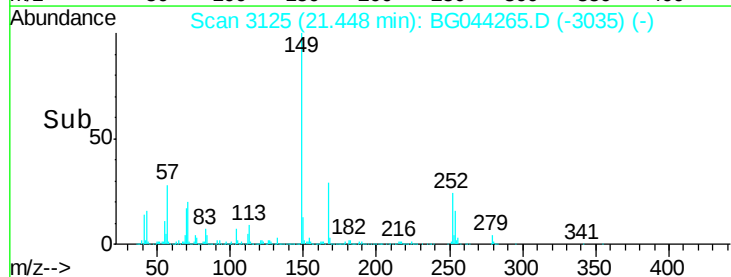
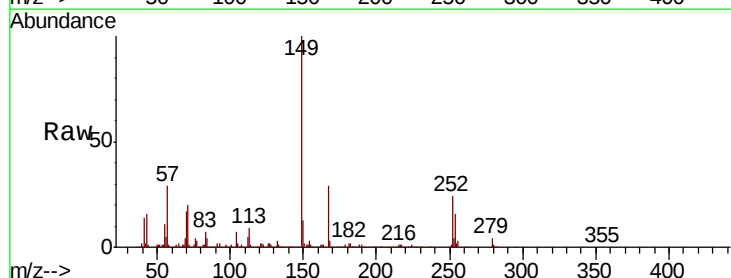
Manual Integrations
 APPROVED

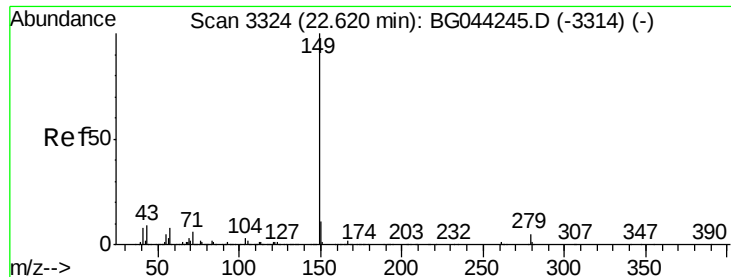
mohammad
 2/3/2020 4:10:51 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 52.308 ng
 RT: 21.45 min Scan# 3125
 Delta R.T. -0.00 min
 Lab File: BG044265.D
 Acq: 31 Jan 2020 18:25

Tgt Ion:149 Resp: 930134
 Ion Ratio Lower Upper
 149 100
 167 29.3 24.0 36.0
 279 4.4 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 52.340 ng

RT: 22.62 min Scan# 3324

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

ClientSampleId :

C-1_013020MSD

Tot Ion:149 Resp: 1610342

Ion Ratio Lower Upper

149 100

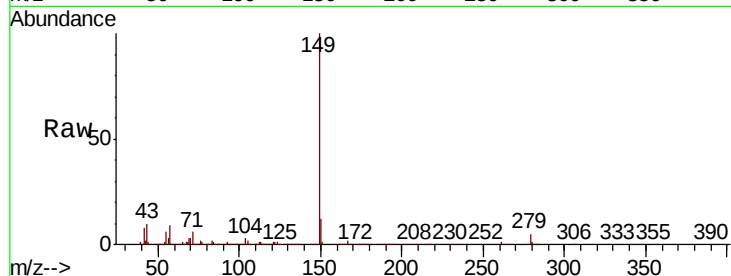
167 1.8 1.3 1.9

43 9.4 7.4 11.0

Manual Integrations
APPROVED

mohammad

2/3/2020 4:10:51 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

1200000

1000000

800000

600000

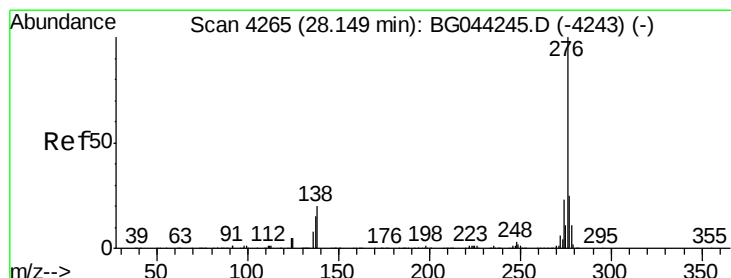
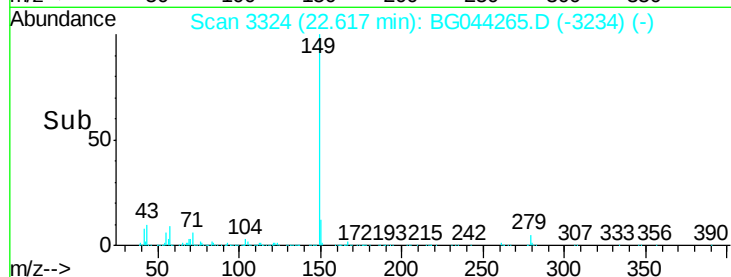
400000

200000

0

22.62

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.156 ng

RT: 28.15 min Scan# 4266

Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

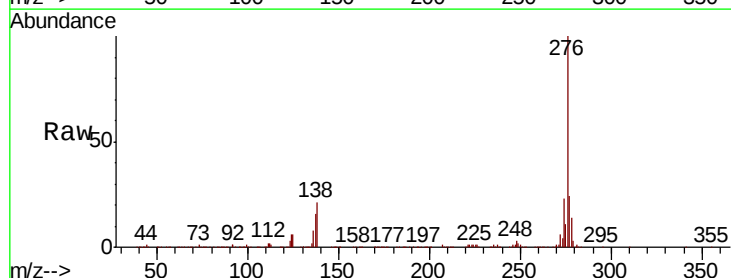
Tgt Ion:276 Resp: 1720793

Ion Ratio Lower Upper

276 100

138 24.9 19.4 29.0

277 25.4 21.0 31.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

300000

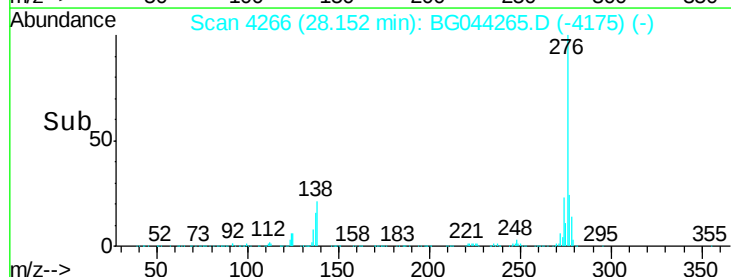
200000

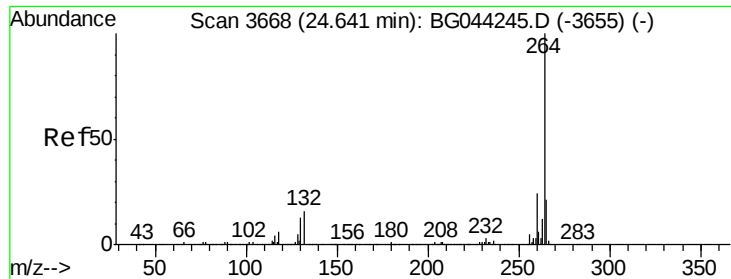
100000

0

28.15

Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Instrument :

BNA_G

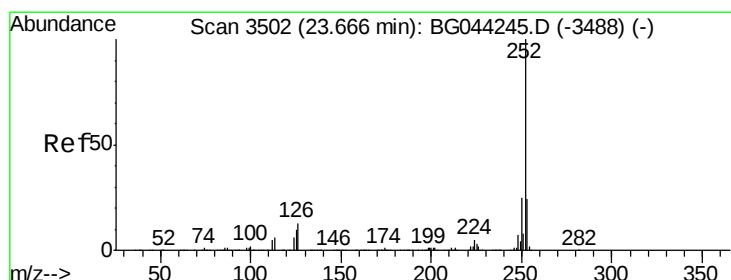
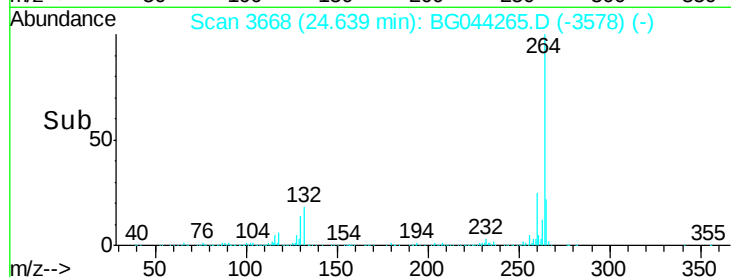
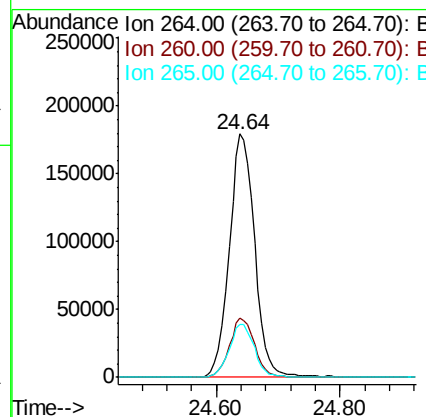
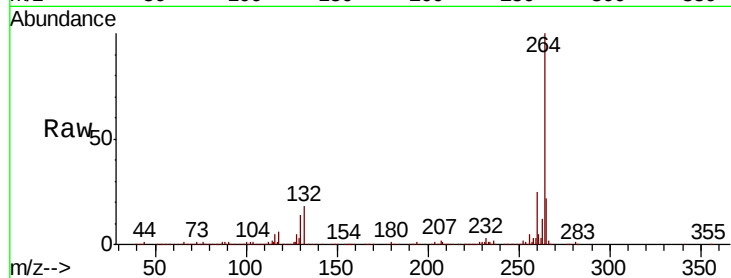
ClientSampleId :

C-1_013020MSD

Tot Ion:	264	Resp:	511080
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	22.0	16.7	25.1

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



#88

Benzo(b)fluoranthene

Concen: 50.620 ng

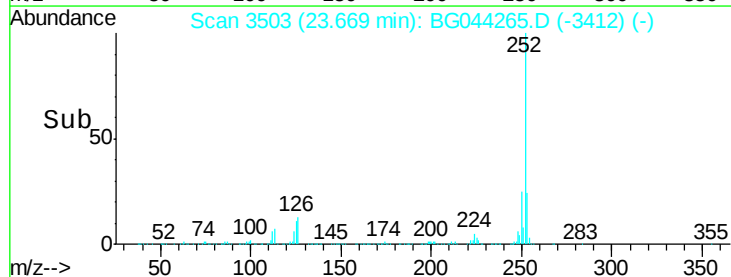
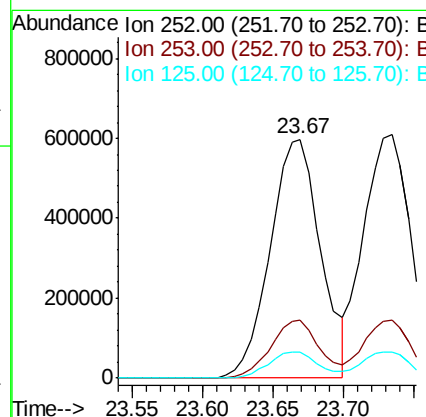
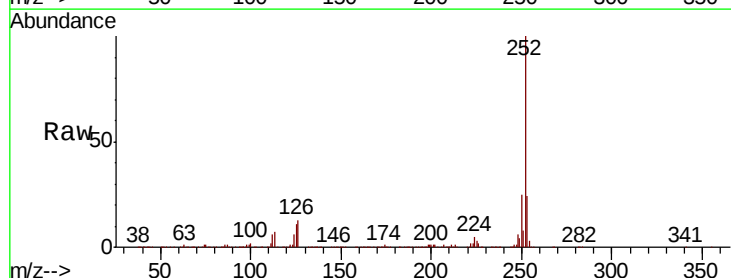
RT: 23.67 min Scan# 3503

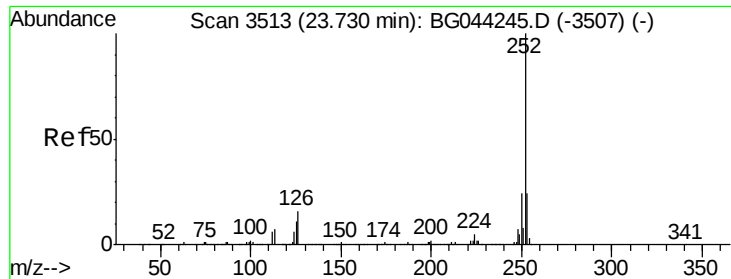
Delta R.T. 0.00 min

Lab File: BG044265.D

Acq: 31 Jan 2020 18:25

Tgt Ion:	252	Resp:	1490774
Ion Ratio	Lower	Upper	
252	100		
253	24.5	19.2	28.8
125	10.7	8.4	12.6





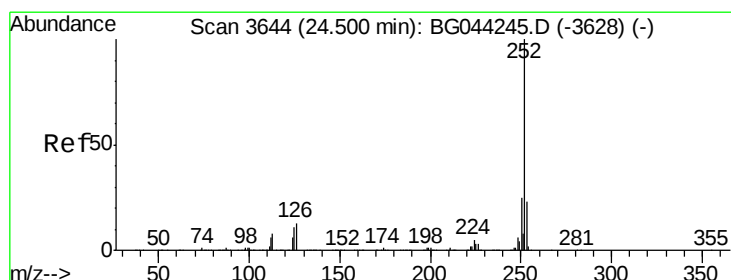
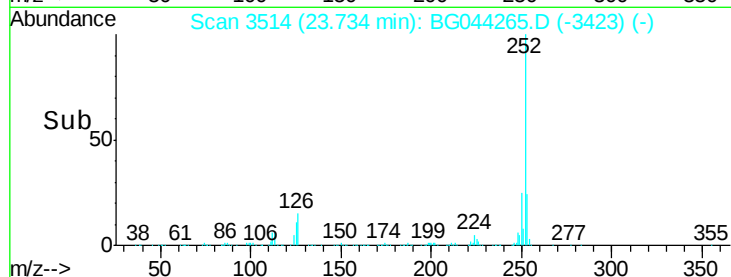
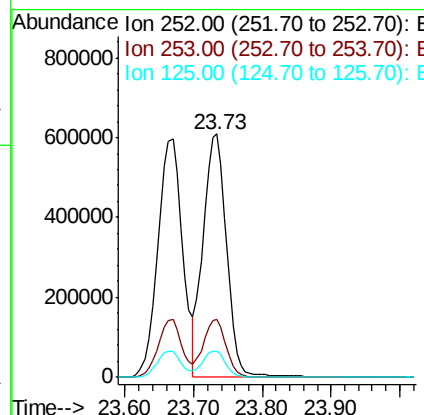
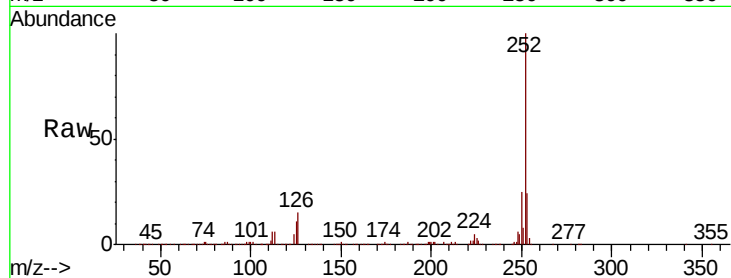
#89
Benzo(k)fluoranthene
Concen: 50.278 ng
RT: 23.73 min Scan# 3514
Delta R.T. 0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.1	28.7
125	10.8	8.6	12.8

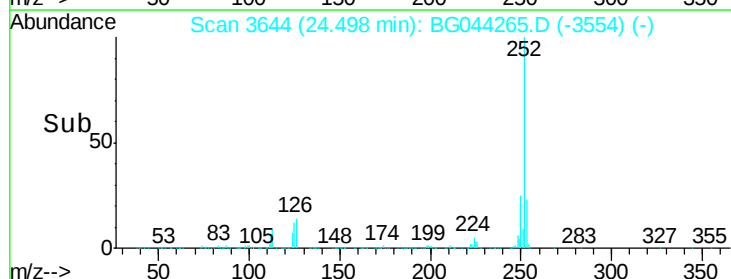
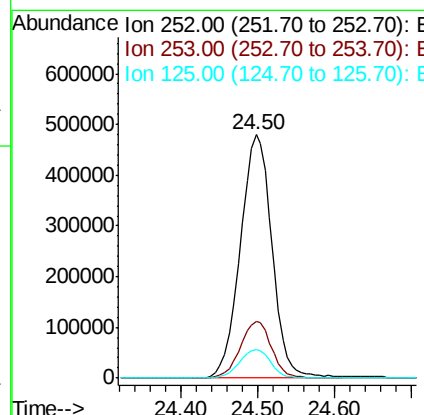
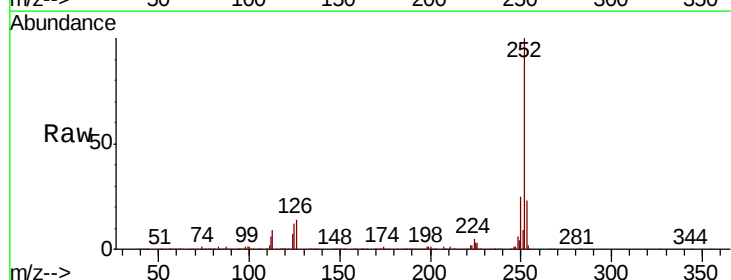
Manual Integrations
APPROVED

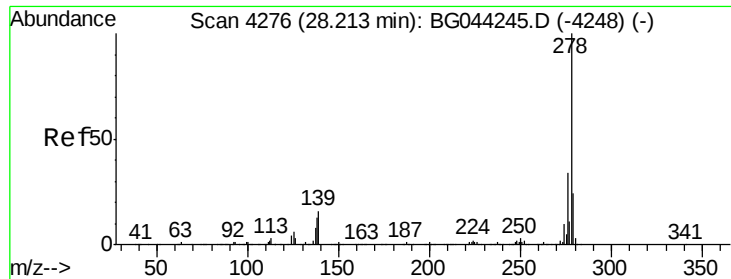
mohammad
2/3/2020 4:10:51 PM



#90
Benzo(a)pyrene
Concen: 49.541 ng
RT: 24.50 min Scan# 3644
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	11.7	8.6	13.0





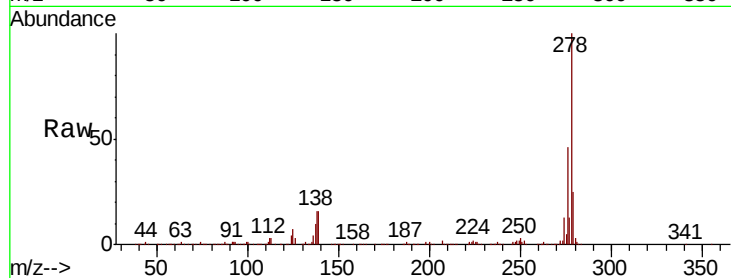
#91
Dibenzo(a,h)anthracene
Concen: 52.663 ng
RT: 28.21 min Scan# 4276
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Instrument :
BNA_G
ClientSampleId :
C-1_013020MSD

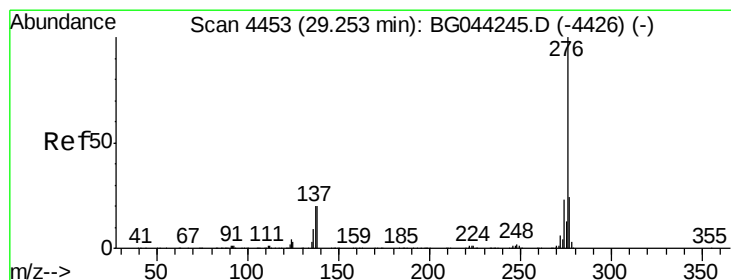
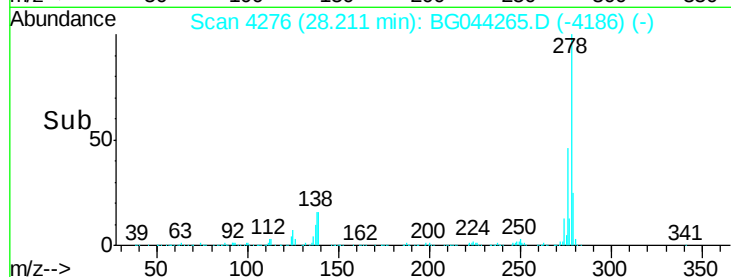
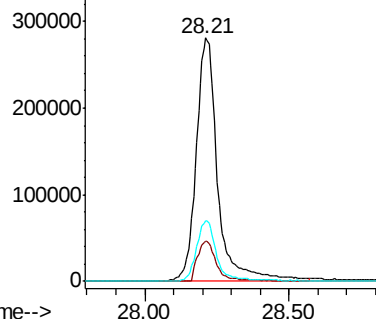
Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.7	19.1
279	25.1	19.3	28.9

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:51 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 51.805 ng
RT: 29.25 min Scan# 4453
Delta R.T. -0.00 min
Lab File: BG044265.D
Acq: 31 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	20.8	16.2	24.2

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

