

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046524.D
 Acq On : 3 Sep 2020 20:10
 Operator : CG/JU
 Sample : L3871-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Manual Integrations
 APPROVED

mohammad
 9/4/2020 1:55:01 PM

Quant Time: Sep 04 02:05:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	82942	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	326807	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	221591	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	521722	20.00	ng	0.00
76) Chrysene-d12	21.55	240	510841	20.00	ng	0.00
86) Perylene-d12	24.66	264	532396	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	540378	115.40	ng	0.00
7) Phenol-d6	7.11	99	653748	98.48	ng	0.00
23) Nitrobenzene-d5	9.09	82	498491	87.18	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	346816	115.51	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	1223461	84.29	ng	0.00
79) Terphenyl-d14	19.92	244	1899982	79.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.43	88	67660	34.729	ng	# 36
3) Pyridine	3.83	79	187585	32.909	ng	97
4) n-Nitrosodimethylamine	3.73	42	94967	45.172	ng	99
6) Aniline	7.25	93	232505	31.124	ng	99
8) 2-Chlorophenol	7.50	128	250497	50.612	ng	98
9) Benzaldehyde	7.06	77	138154	37.146	ng	94
10) Phenol	7.14	94	266665	43.613	ng	99
11) bis(2-Chloroethyl)ether	7.35	93	232615	47.330	ng	99
12) 1,3-Dichlorobenzene	7.82	146	243859	38.808	ng	99
13) 1,4-Dichlorobenzene	7.96	146	245847	39.080	ng	99
14) 1,2-Dichlorobenzene	8.29	146	244612	40.552	ng	99
15) Benzyl Alcohol	8.17	79	220781	51.802	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.46	45	342947	44.986	ng	99
17) 2-Methylphenol	8.38	107	213216	49.171	ng	98
18) Hexachloroethane	9.02	117	81647	38.278	ng	97
19) n-Nitroso-di-n-propylamine	8.74	70	190456	47.963	ng	99
20) 3+4-Methylphenols	8.71	107	288307	48.170	ng	98
22) Acetophenone	8.75	105	363846	45.737	ng	99
24) Nitrobenzene	9.13	77	270905	47.957	ng	97
25) Isophorone	9.66	82	521032	49.702	ng	100
26) 2-Nitrophenol	9.84	139	149457	50.146	ng	97
27) 2,4-Dimethylphenol	9.91	122	235112	57.355	ng	95
28) bis(2-Chloroethoxy)methane	10.14	93	314370	46.592	ng	99
29) 2,4-Dichlorophenol	10.38	162	271984	49.772	ng	98
30) 1,2,4-Trichlorobenzene	10.60	180	262630	40.505	ng	98
31) Naphthalene	10.78	128	702584	44.030	ng	99
32) Benzoic acid	10.07	122	133268	44.764	ng	98
33) 4-Chloroaniline	10.89	127	80427	11.430	ng	95
34) Hexachlorobutadiene	11.07	225	163330	38.805	ng	97
35) Caprolactam	11.67	113	70591m	34.558	ng	
36) 4-Chloro-3-methylphenol	12.02	107	270523	50.615	ng	96
37) 2-Methylnaphthalene	12.39	142	566445	45.011	ng	99
38) 1-Methylnaphthalene	12.61	142	535091	44.888	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.76	216	337665	46.210	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046524.D
 Acq On : 3 Sep 2020 20:10
 Operator : CG/JU
 Sample : L3871-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 TR-05-090220MSD

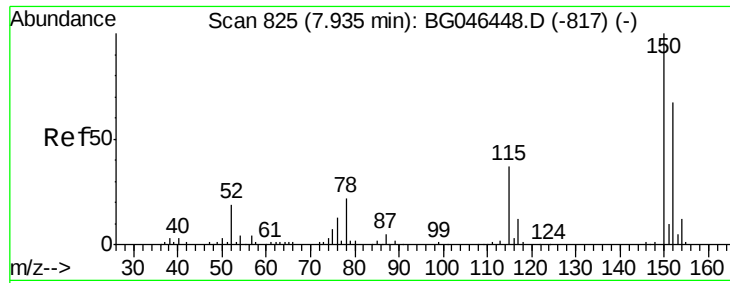
Manual Integrations
 APPROVED

mohammad
 9/4/2020 1:55:01 PM

Quant Time: Sep 04 02:05:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.74	237	359761	113.226	nq	99
43) 2,4,6-Trichlorophenol	13.00	196	243237	49.327	nq	99
44) 2,4,5-Trichlorophenol	13.08	196	262216	50.611	nq	98
46) 1,1'-Biphenyl	13.39	154	742576	48.166	nq	98
47) 2-Chloronaphthalene	13.44	162	592512	45.328	nq	100
48) 2-Nitroaniline	13.64	65	172433	47.506	nq	97
49) Acenaphthylene	14.29	152	931690	46.988	nq	99
50) Dimethylphthalate	14.02	163	803781	46.886	nq	100
51) 2,6-Dinitrotoluene	14.13	165	185566	49.105	nq	98
52) Acenaphthene	14.63	154	577028	46.961	nq	98
53) 3-Nitroaniline	14.46	138	131446	32.111	nq	99
54) 2,4-Dinitrophenol	14.67	184	245137	111.131	nq	96
55) Dibenzofuran	14.96	168	920898	46.701	nq	98
56) 4-Nitrophenol	14.79	139	277188	92.010	nq	99
57) 2,4-Dinitrotoluene	14.93	165	273587	50.773	nq	# 99
58) Fluorene	15.61	166	773032	46.708	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.19	232	247777	49.249	nq	98
60) Diethylphthalate	15.38	149	781732	46.769	nq	99
61) 4-Chlorophenyl-phenylether	15.60	204	423887	46.505	nq	98
62) 4-Nitroaniline	15.63	138	180740	41.846	nq	99
63) Azobenzene	15.90	77	659388	48.497	nq	98
65) 4,6-Dinitro-2-methylphenol	15.70	198	176612	59.808	nq	99
66) n-Nitrosodiphenylamine	15.82	169	703475	49.981	nq	99
67) 4-Bromophenyl-phenylether	16.50	248	295456	48.540	nq	96
68) Hexachlorobenzene	16.62	284	316019	46.880	nq	97
69) Atrazine	16.77	200	214463	37.350	nq	99
70) Pentachlorophenol	16.97	266	384031	109.036	nq	98
71) Phenanthrene	17.35	178	1259710	47.636	nq	98
72) Anthracene	17.44	178	1291054	49.483	nq	98
73) Carbazole	17.71	167	1183941	48.061	nq	99
74) Di-n-butylphthalate	18.27	149	1338894	47.266	nq	99
75) Fluoranthene	19.36	202	1573529	46.238	nq	98
77) Benzidine	19.54	184	115195	9.704	nq	98
78) Pyrene	19.72	202	1570821	48.289	nq	98
80) Butylbenzylphthalate	20.61	149	619534	48.826	nq	96
81) Benzo(a)anthracene	21.54	228	1505960	47.297	nq	99
82) 3,3'-Dichlorobenzidine	21.45	252	419971	35.542	nq	99
83) Chrysene	21.60	228	1468096	47.933	nq	99
84) Bis(2-ethylhexyl)phthalate	21.45	149	866806	50.059	nq	99
85) Di-n-octyl phthalate	22.62	149	1531263	51.646	nq	99
87) Indeno(1,2,3-cd)pyrene	28.18	276	1932350	50.535	nq	99
88) Benzo(b)fluoranthene	23.68	252	1638740	49.295	nq	97
89) Benzo(k)fluoranthene	23.75	252	1597368	49.718	nq	97
90) Benzo(a)pyrene	24.52	252	1504678	48.501	nq	99
91) Dibenzo(a,h)anthracene	28.23	278	1582940	51.300	nq	99
92) Benzo(g,h,i)perylene	29.27	276	1611353	52.294	nq	99

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



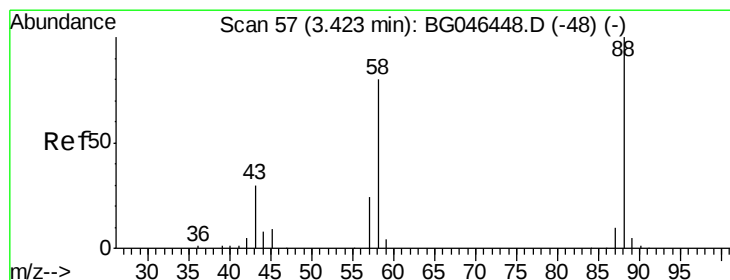
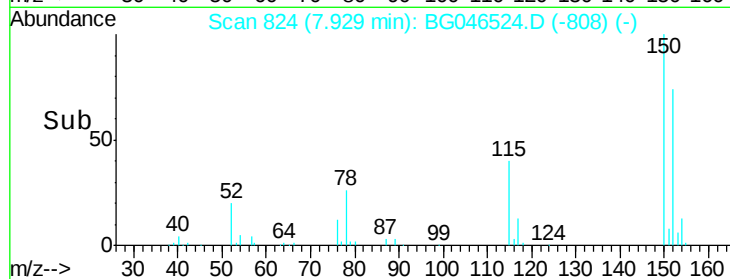
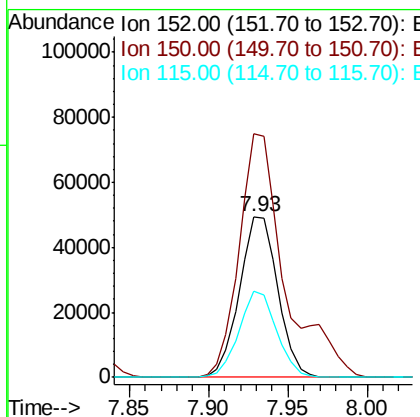
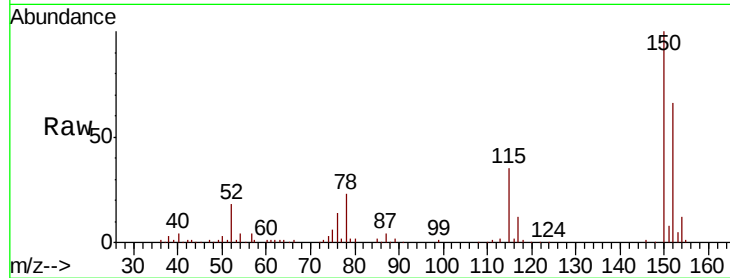
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	119.5	179.3
115	53.6	44.3	66.5

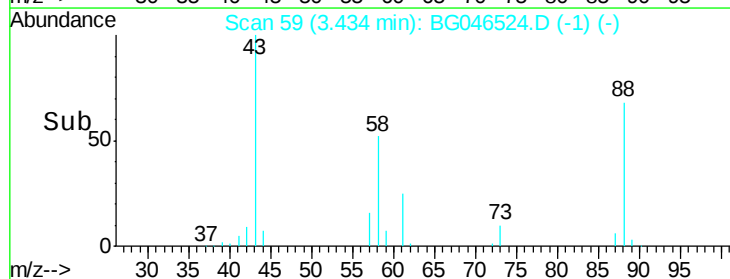
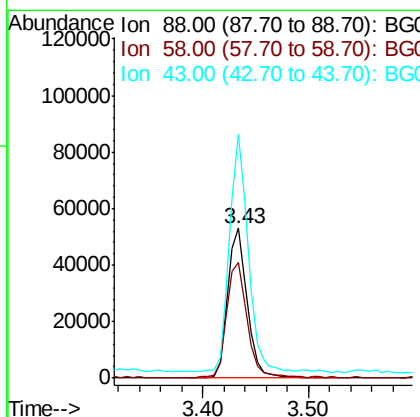
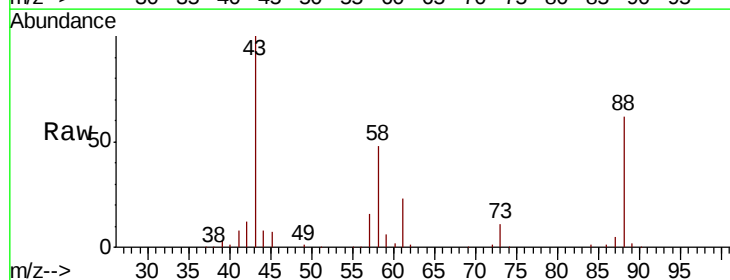
Manual Integrations
 APPROVED

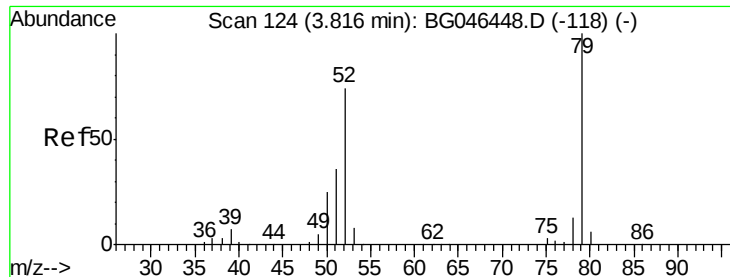
mohammad
 9/4/2020 1:55:01 PM



#2
 1,4-Dioxane
 Concen: 34.729 ng
 RT: 3.43 min Scan# 59
 Delta R.T. 0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.8	61.4	92.2
43	150.0	21.6	32.4





#3

Pvridine

Concen: 32.909 ng

RT: 3.83 min Scan# 126

Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

ClientSampleId :

TR-05-090220MSD

Tot Ion: 79 Resp: 187585

Ion Ratio Lower Upper

79 100

52 77.3 59.1 88.7

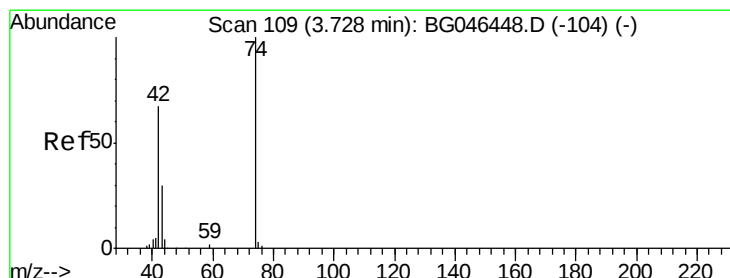
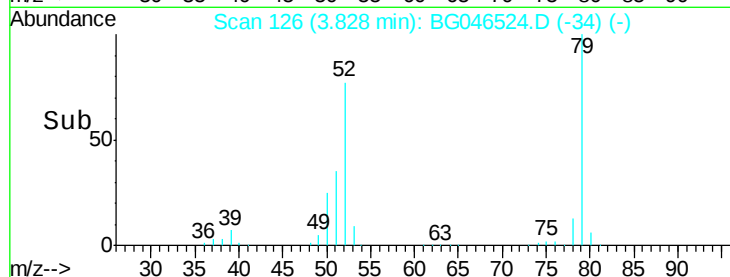
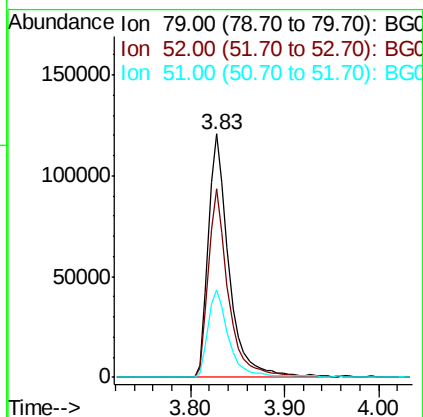
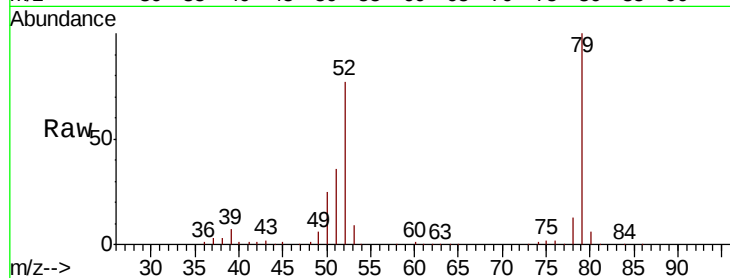
51 35.7 29.0 43.6

Manual Integrations

APPROVED

mohammad

9/4/2020 1:55:01 PM



#4

n-Nitrosodimethylamine

Concen: 45.172 ng

RT: 3.73 min Scan# 109

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

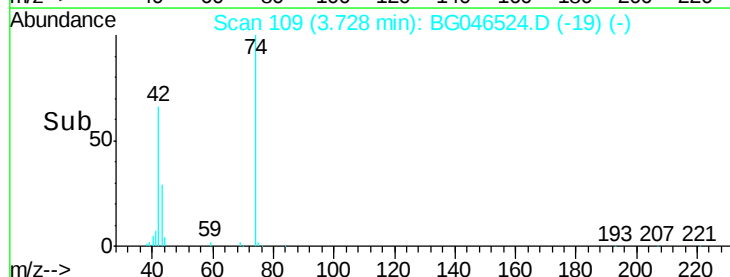
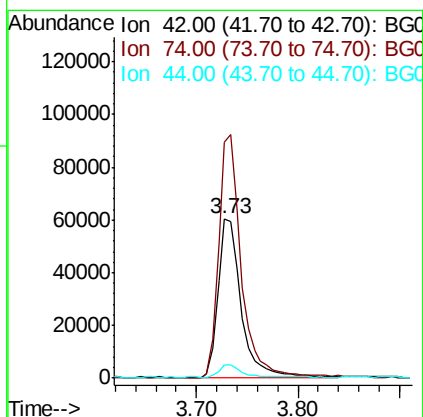
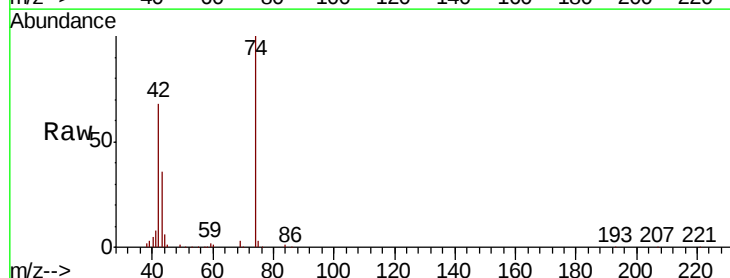
Tgt Ion: 42 Resp: 94967

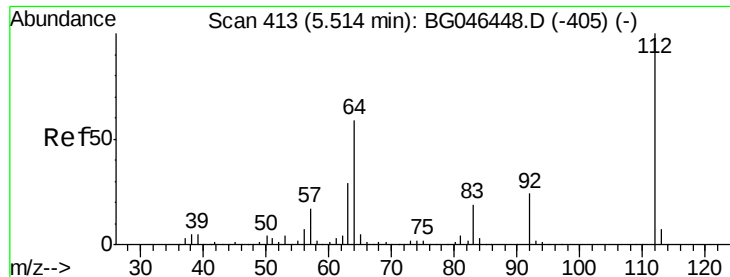
Ion Ratio Lower Upper

42 100

74 147.8 119.5 179.3

44 8.2 5.7 8.5





#5

2-Fluorophenol

Concen: 115.395 ng

RT: 5.52 min Scan# 414

Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

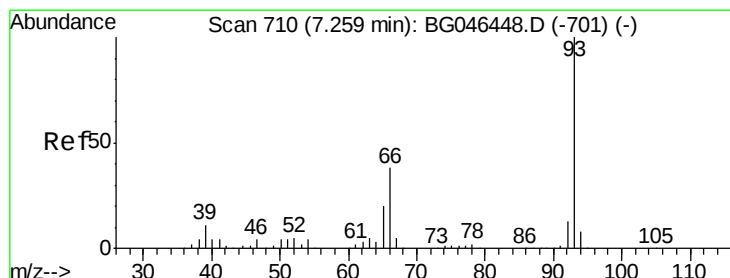
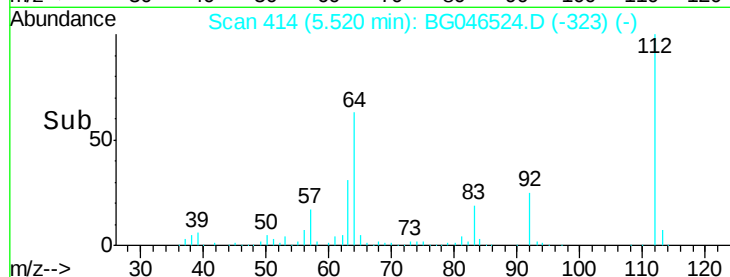
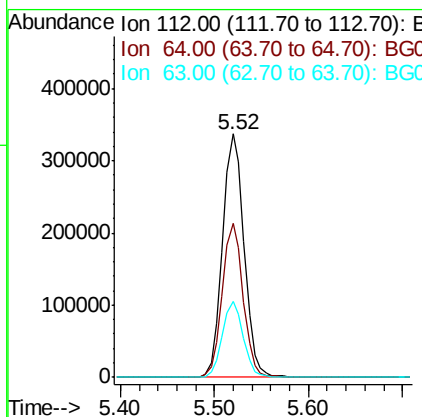
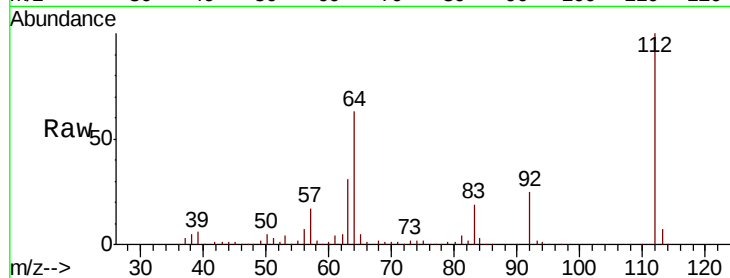
ClientSampleId :

TR-05-090220MSD

Tot Ion:	112	Resp:	540378
Ion Ratio	Lower	Upper	
112	100		
64	63.2	47.0	70.6
63	31.1	23.5	35.3

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#6

Aniline

Concen: 31.124 ng

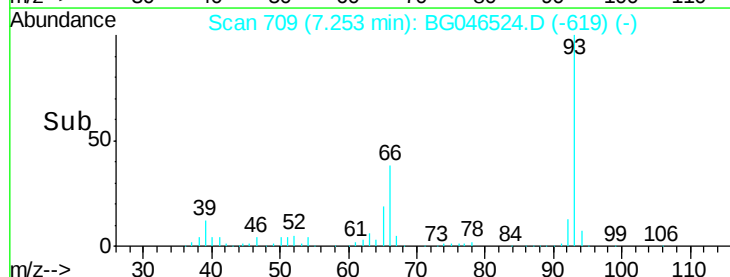
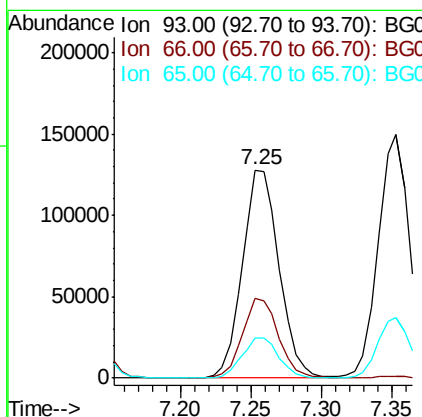
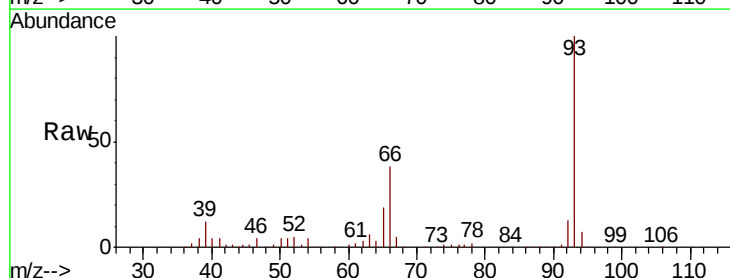
RT: 7.25 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	93	Resp:	232505
Ion Ratio	Lower	Upper	
93	100		
66	38.3	30.4	45.6
65	19.1	15.8	23.6





#7

Phenol-d6

Concen: 98.479 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

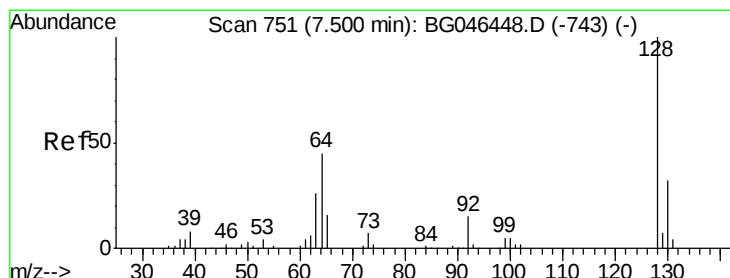
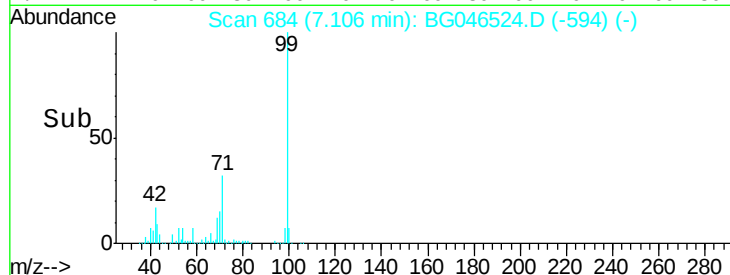
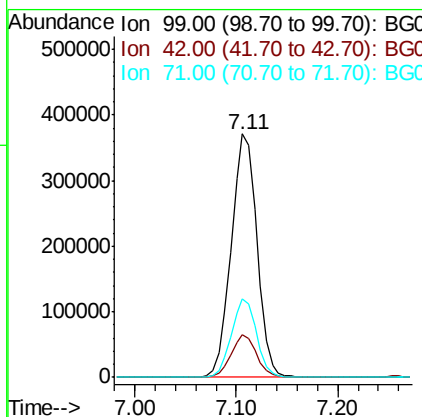
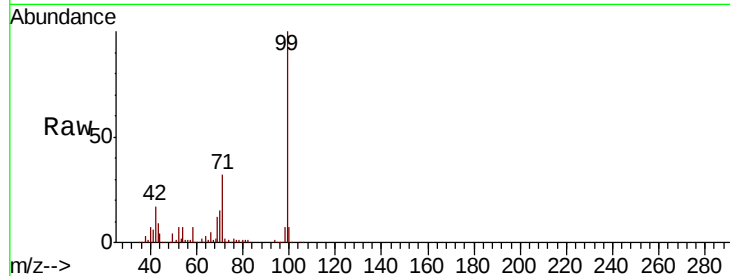
ClientSampleId :

TR-05-090220MSD

Tot Ion:	99	Resp:	653748
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.3	19.9
71	32.2	25.3	37.9

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#8

2-Chlorophenol

Concen: 50.612 ng

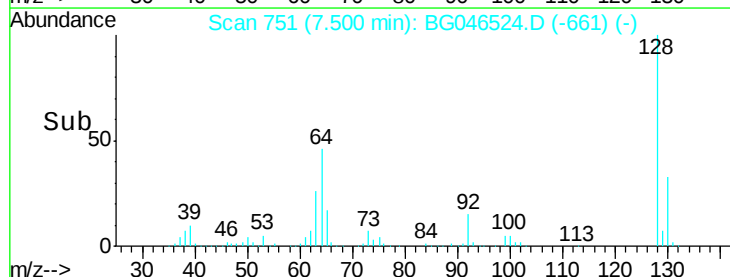
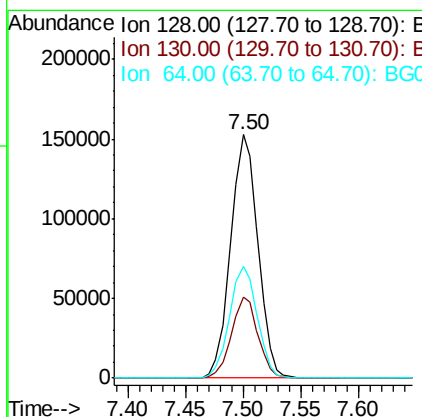
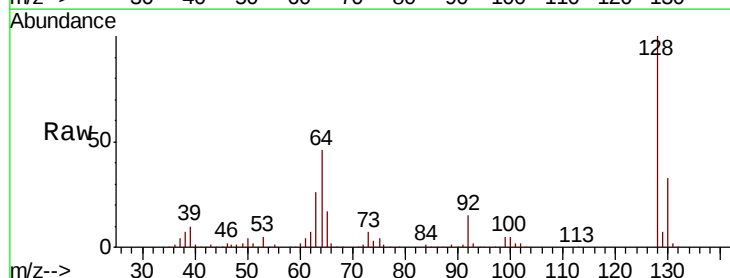
RT: 7.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	128	Resp:	250497
Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.4	52.4
64	46.2	28.1	68.1





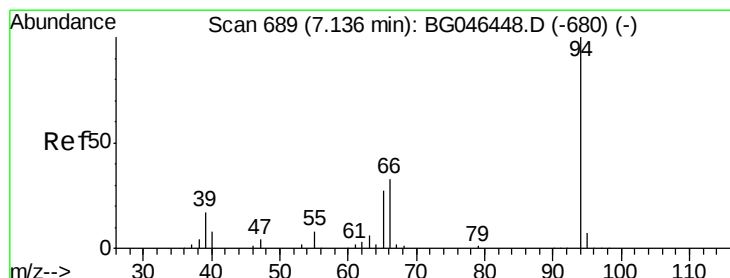
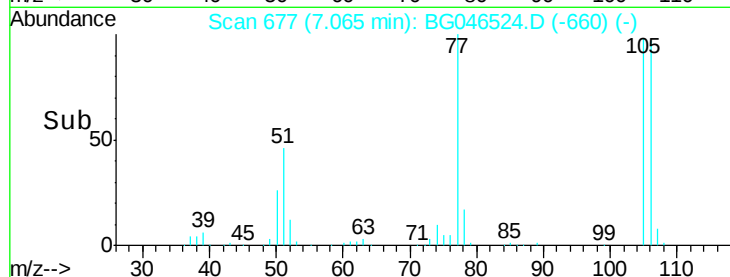
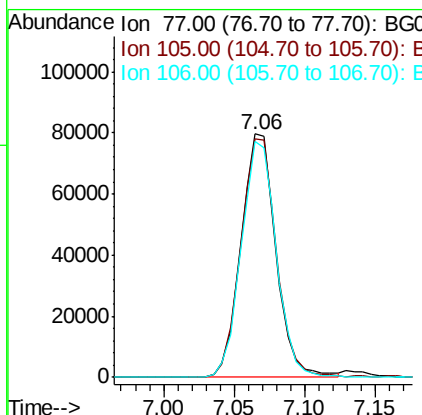
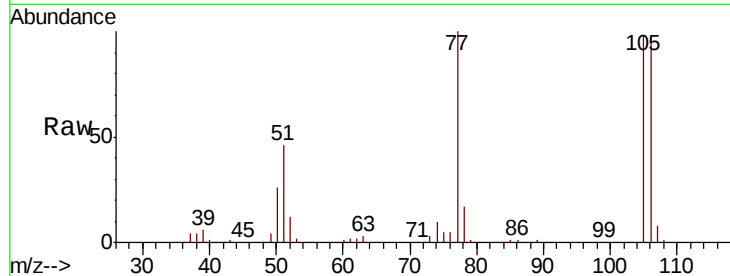
#9
Benzaldehyde
Concen: 37.146 ng
RT: 7.06 min Scan# 677
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.0	85.6	125.6
106	96.8	80.8	120.8

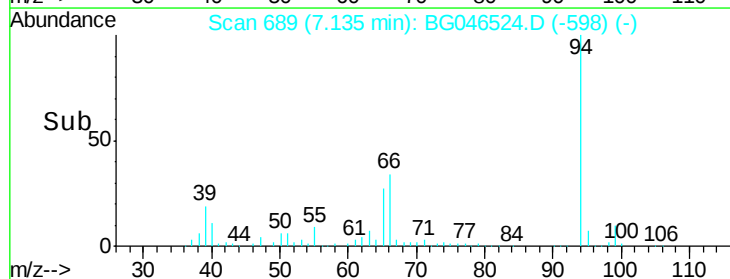
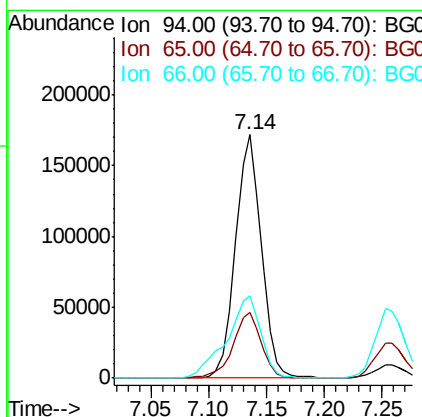
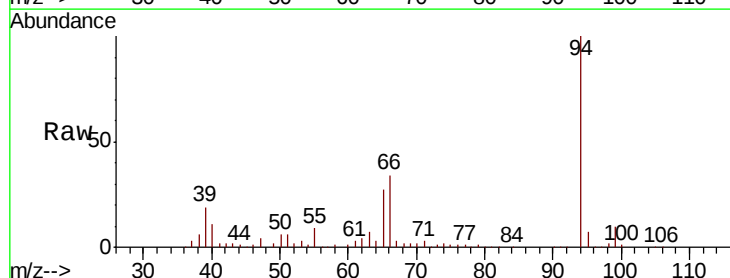
Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#10
Phenol
Concen: 43.613 ng
RT: 7.14 min Scan# 689
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.5	47.5
66	33.6	14.1	54.1





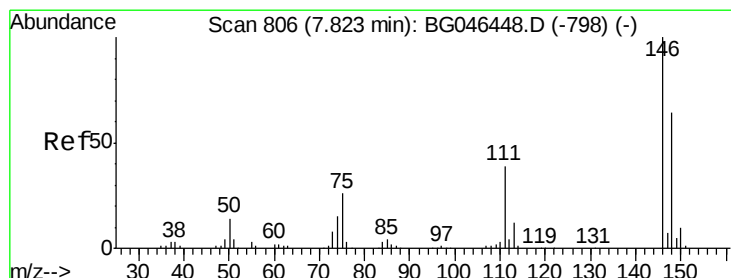
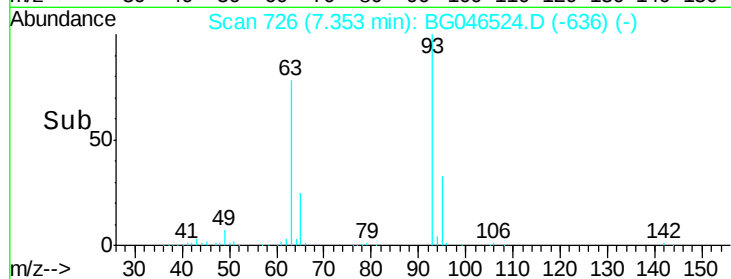
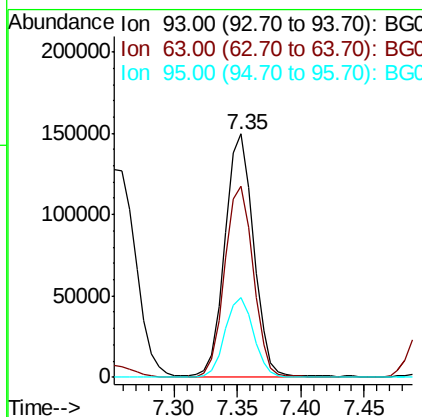
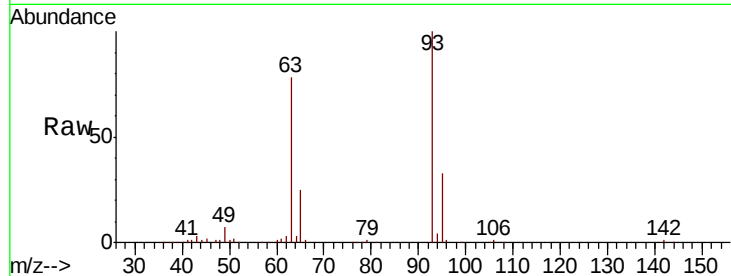
#11
bis(2-Chloroethyl)ether
Concen: 47.330 ng
RT: 7.35 min Scan# 726
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion:	93	Resp:	232615
Ion	Ratio	Lower	Upper
93	100		
63	78.4	57.7	97.7
95	33.0	12.3	52.3

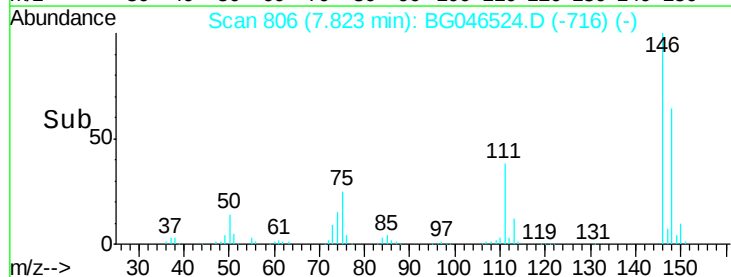
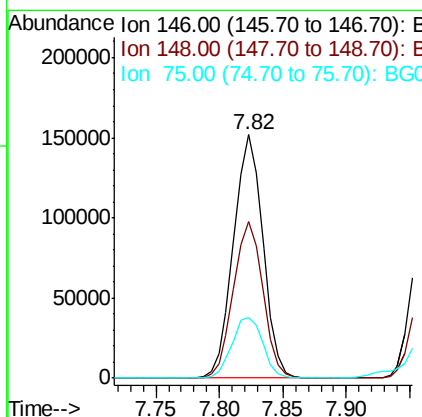
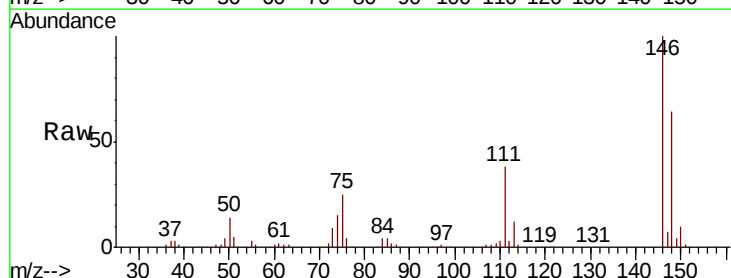
Manual Integrations
APPROVED

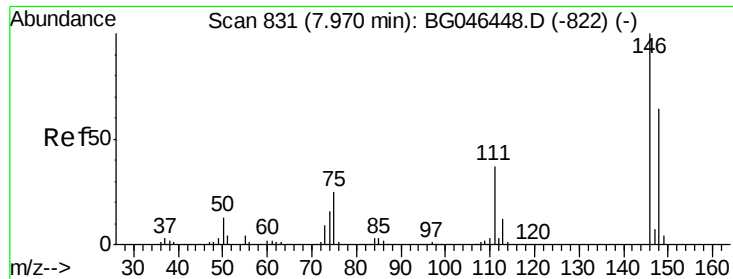
mohammad
9/4/2020 1:55:01 PM



#12
1,3-Dichlorobenzene
Concen: 38.808 ng
RT: 7.82 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion:	146	Resp:	243859
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	24.7	20.7	31.1





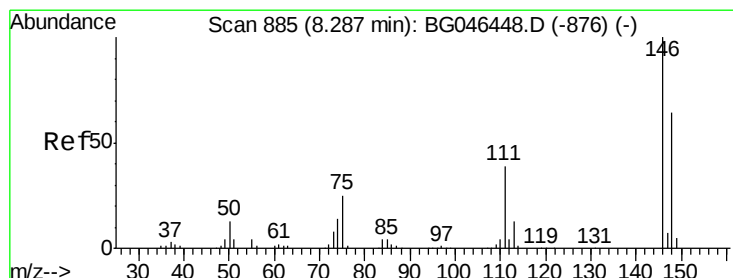
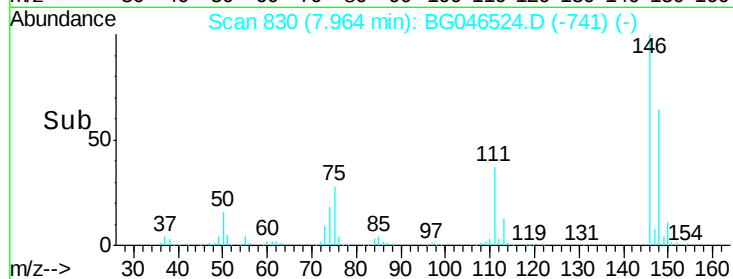
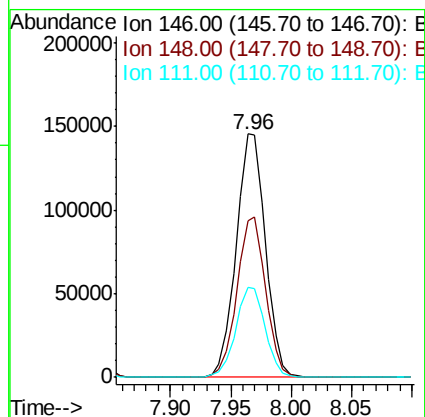
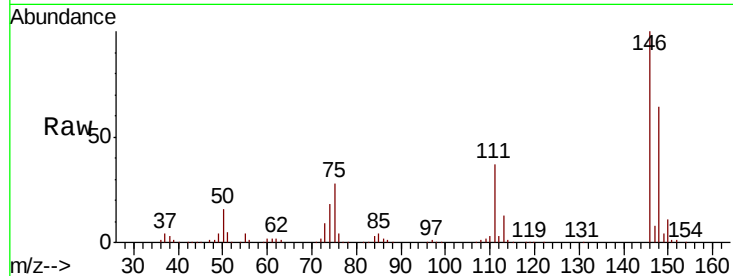
#13
1,4-Dichlorobenzene
Concen: 39.080 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.9	76.3
111	36.8	29.8	44.6

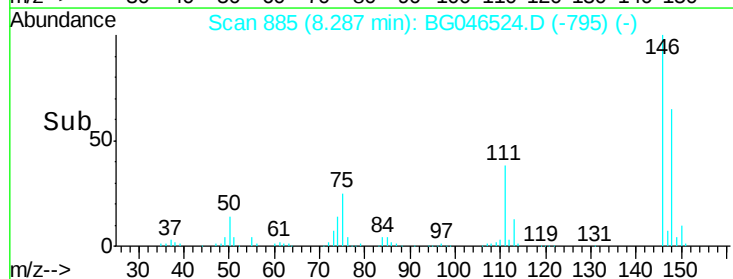
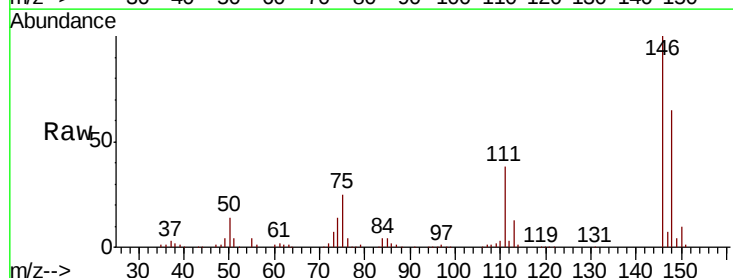
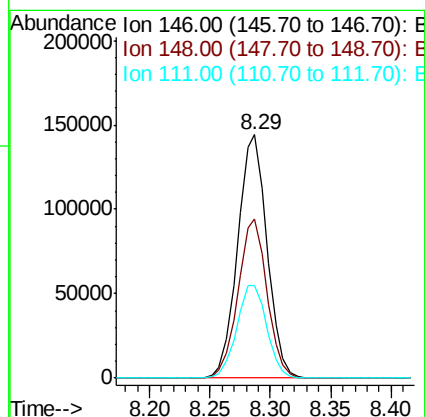
Manual Integrations
APPROVED

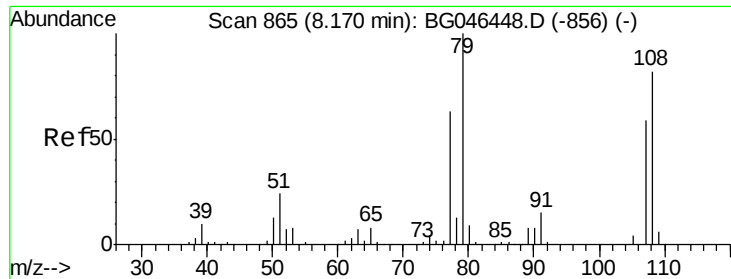
mohammad
9/4/2020 1:55:01 PM



#14
1,2-Dichlorobenzene
Concen: 40.552 ng
RT: 8.29 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.4	77.0
111	38.3	31.4	47.2





#15

Benzyl Alcohol

Concen: 51.802 ng

RT: 8.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

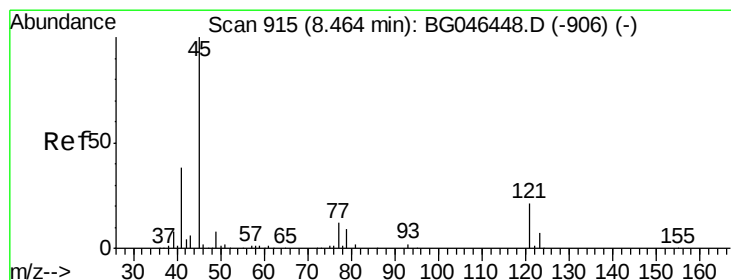
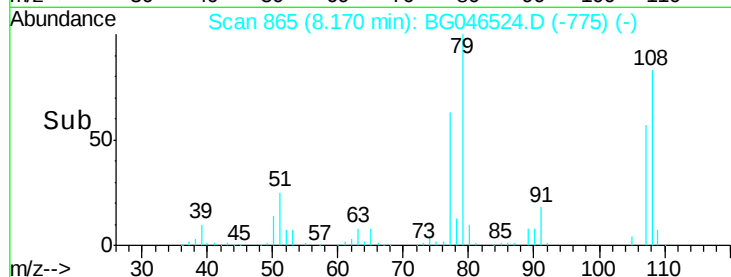
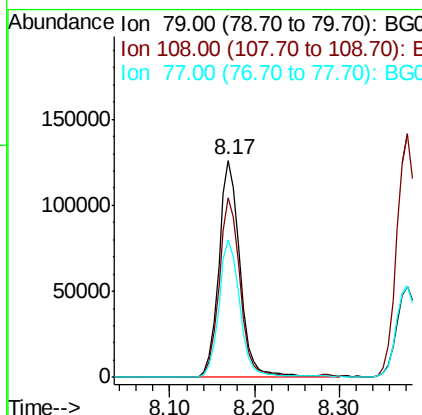
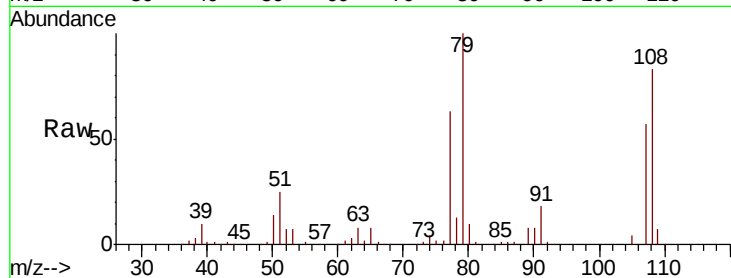
ClientSampleId :

TR-05-090220MSD

Tot Ion:	79	Resp:	220781
Ion Ratio	Lower	Upper	
79	100		
108	82.5	65.7	98.5
77	63.5	50.3	75.5

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.986 ng

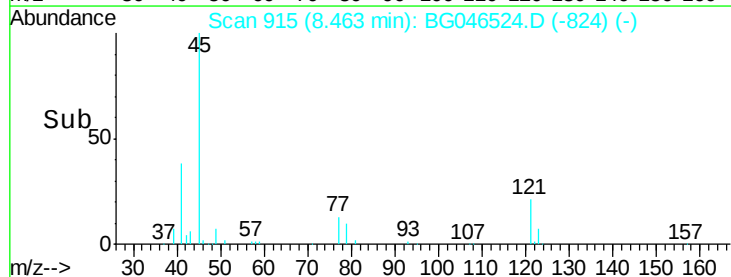
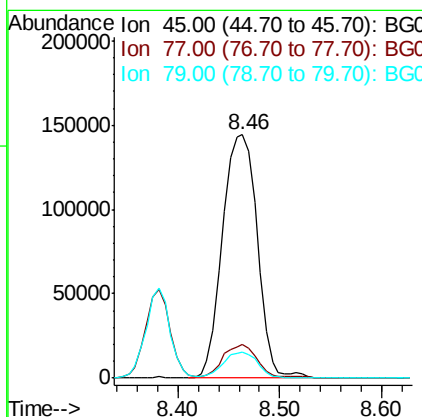
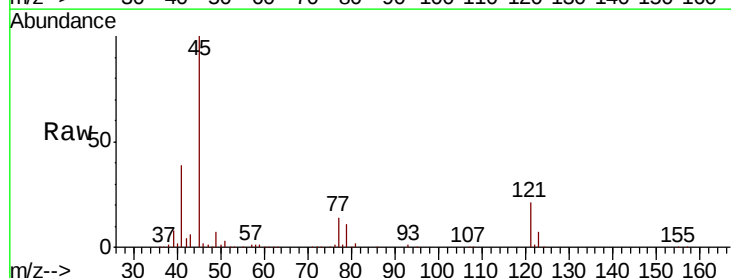
RT: 8.46 min Scan# 915

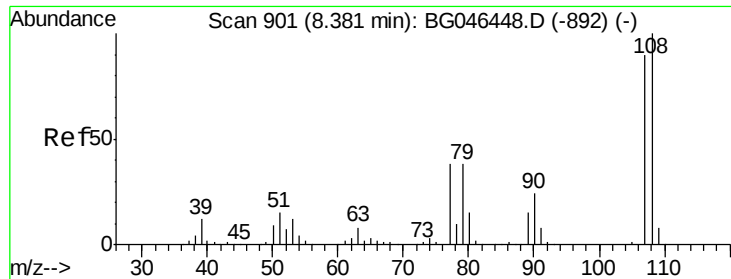
Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	45	Resp:	342947
Ion Ratio	Lower	Upper	
45	100		
77	13.7	0.0	33.2
79	10.6	0.0	30.3





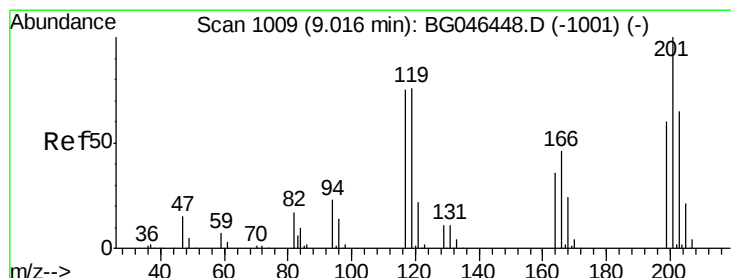
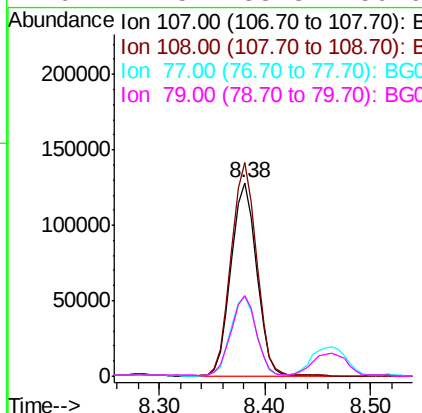
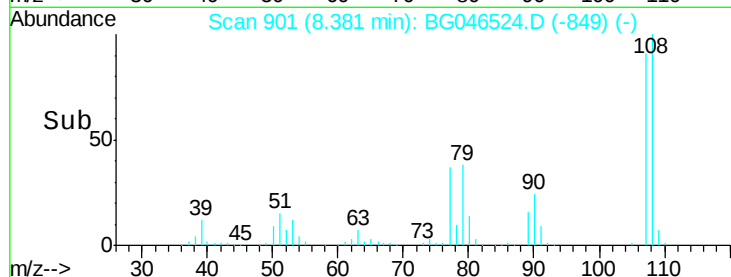
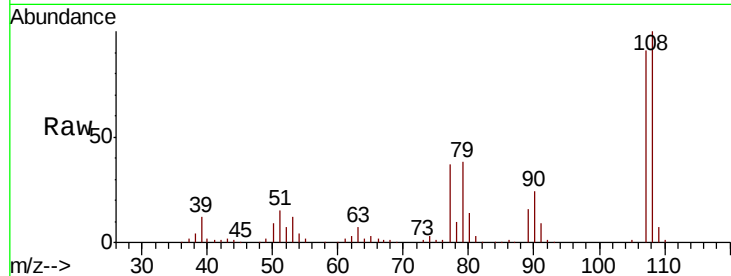
#17
2-Methylphenol
Concen: 49.171 ng
RT: 8.38 min Scan# 901
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.3	89.4	134.0	
77	41.3	34.5	51.7	
79	41.5	33.8	50.6	

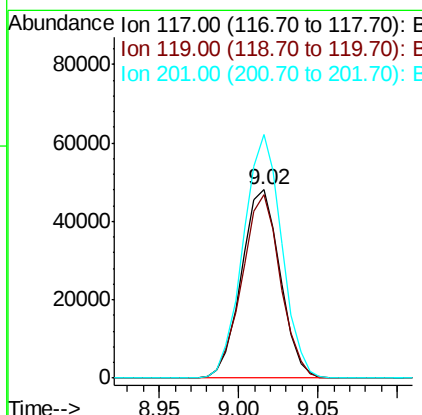
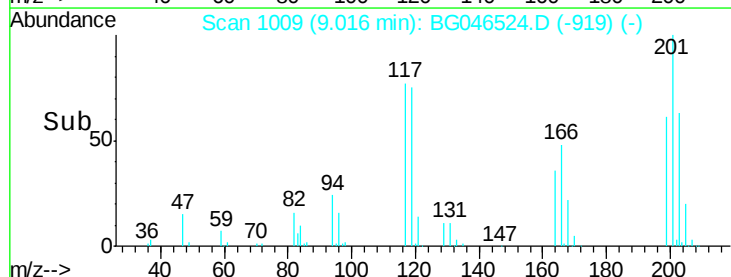
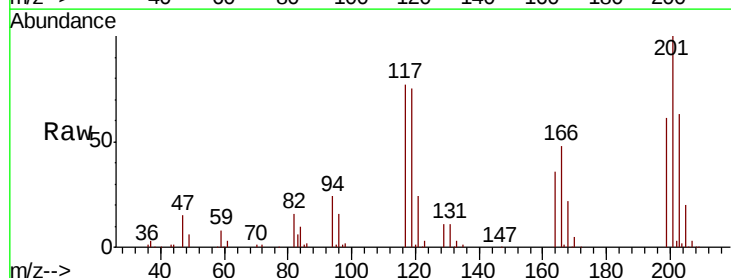
Manual Integrations
APPROVED

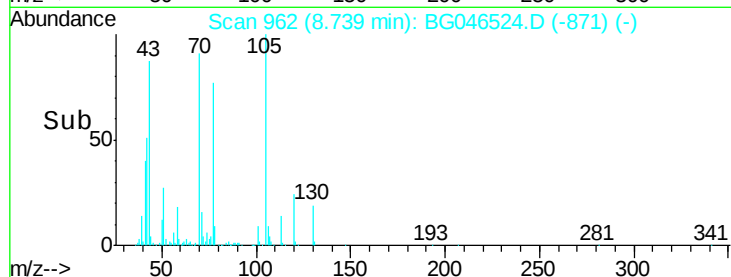
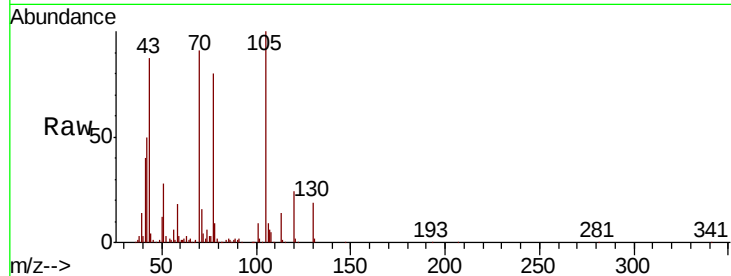
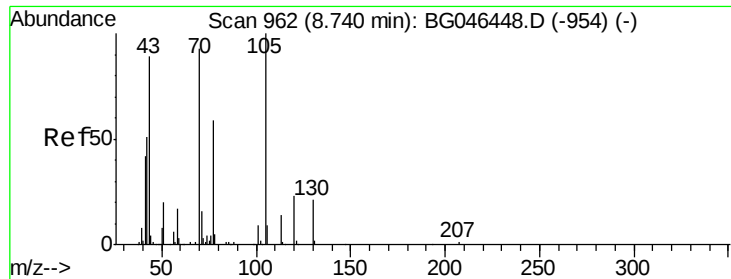
mohammad
9/4/2020 1:55:01 PM



#18
Hexachloroethane
Concen: 38.278 ng
RT: 9.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.3	80.8	121.2	
201	129.5	106.7	160.1	





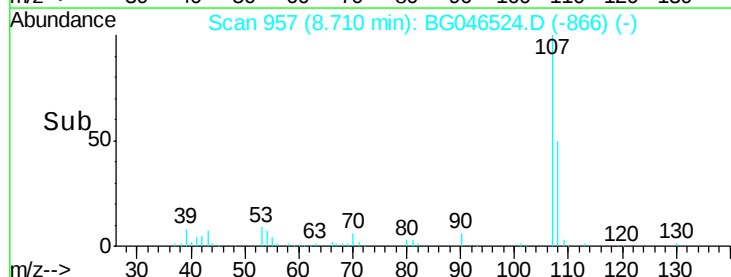
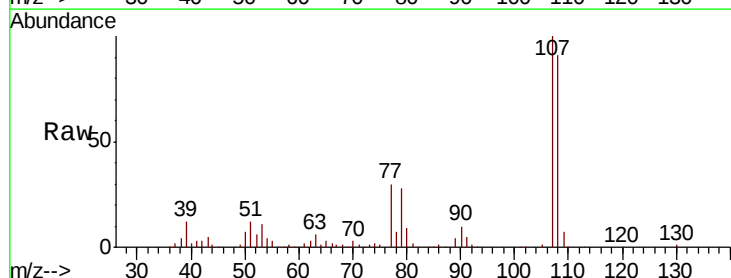
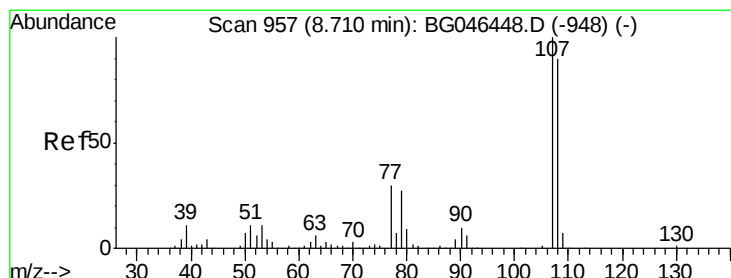
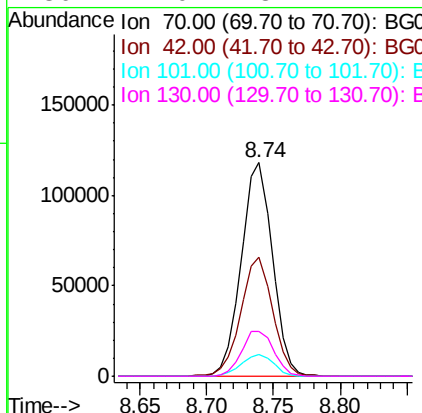
#19
n-Nitroso-di-n-propylamine
Concen: 47.963 ng
RT: 8.74 min Scan# 962
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		190456		
42	55.6	44.2	66.2		
101	10.3	7.8	11.8		
130	21.0	18.2	27.4		

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

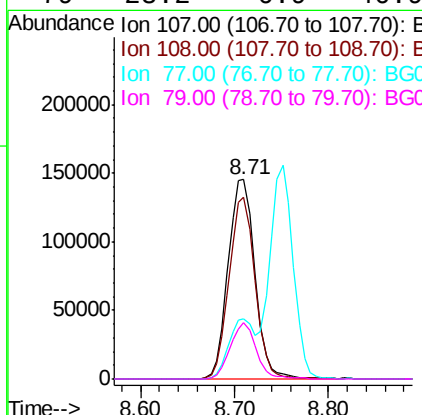
Manual Integrations
APPROVED

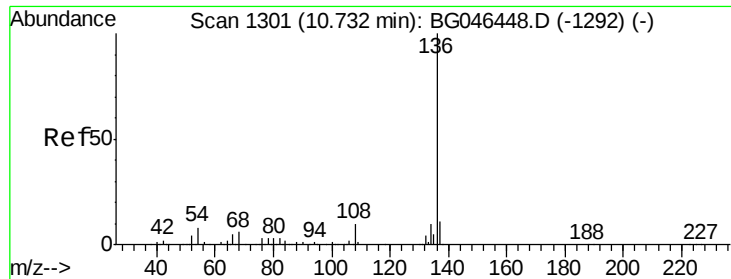
mohammad
9/4/2020 1:55:01 PM



#20
3+4-Methylphenols
Concen: 48.170 ng
RT: 8.71 min Scan# 957
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		288307		
108	91.0	69.7	109.7		
77	30.4	9.7	49.7		
79	28.2	6.9	46.9		





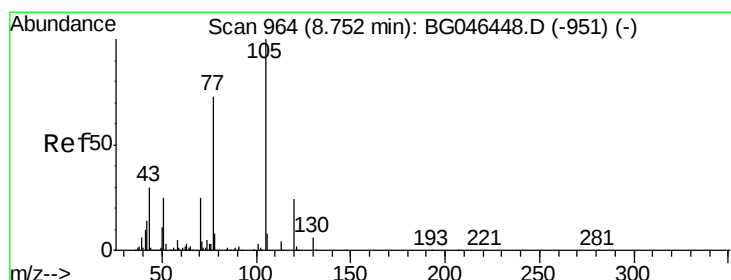
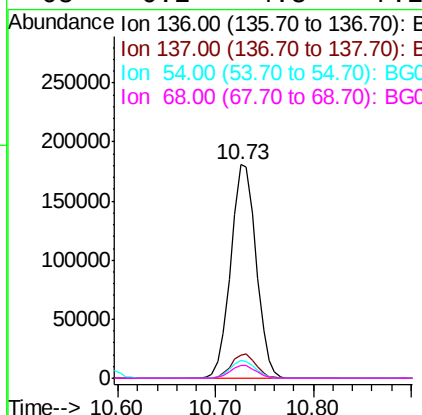
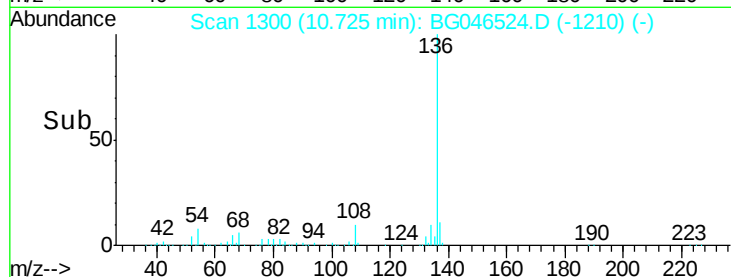
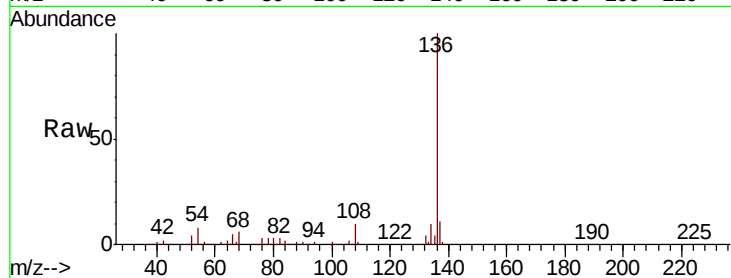
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	326807		
137	10.5		8.8	13.2
54	8.2		6.1	9.1
68	6.2		4.8	7.2

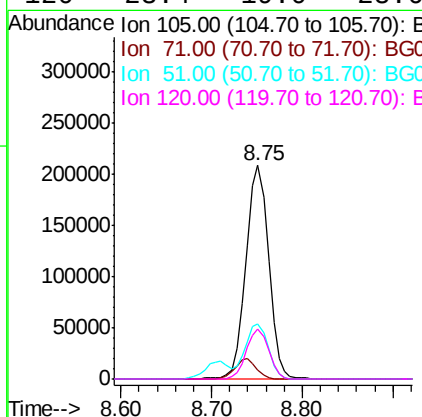
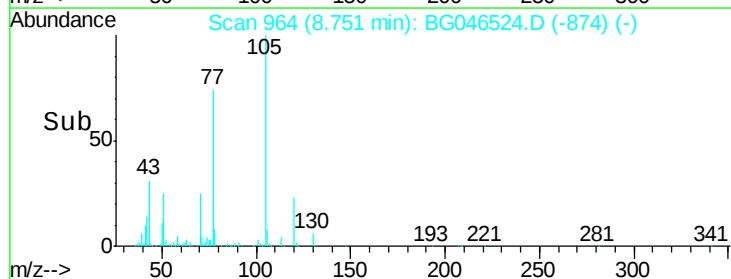
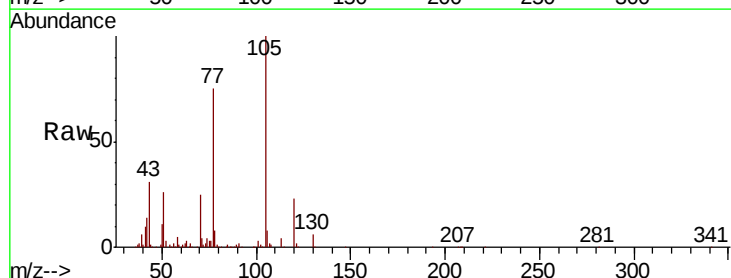
Manual Integrations
APPROVED

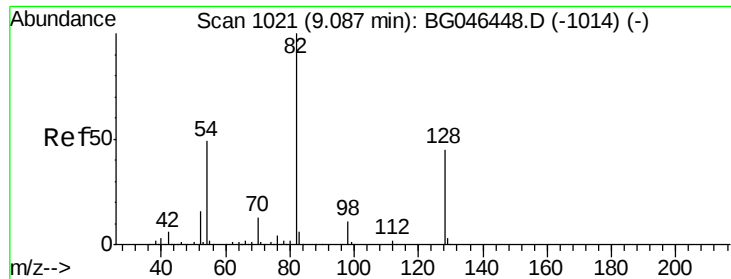
mohammad
9/4/2020 1:55:01 PM



#22
Acetophenone
Concen: 45.737 ng
RT: 8.75 min Scan# 964
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363846		
71	4.1		3.3	4.9
51	25.5		20.6	31.0
120	23.4		19.0	28.6





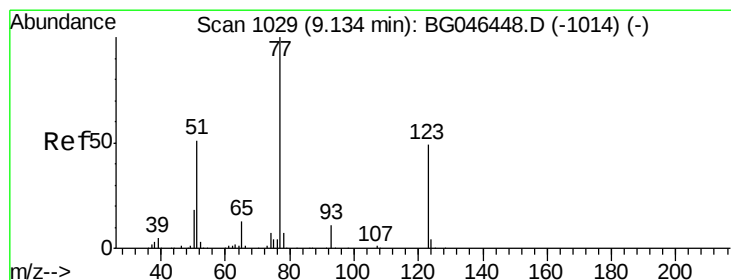
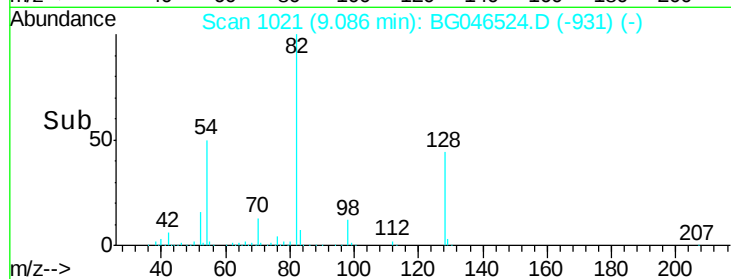
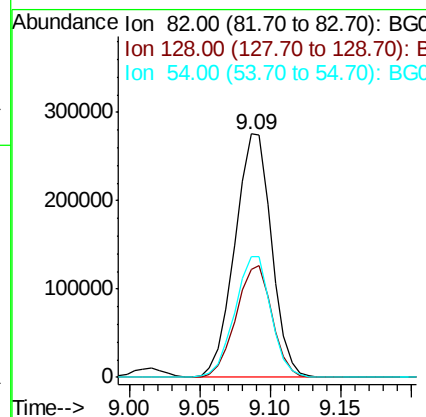
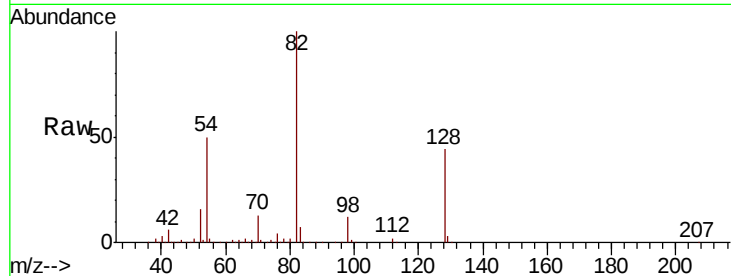
#23
 Nitrobenzene-d5
 Concen: 87.181 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	498491		
128	44.4	35.7	53.5	
54	49.7	39.4	59.0	

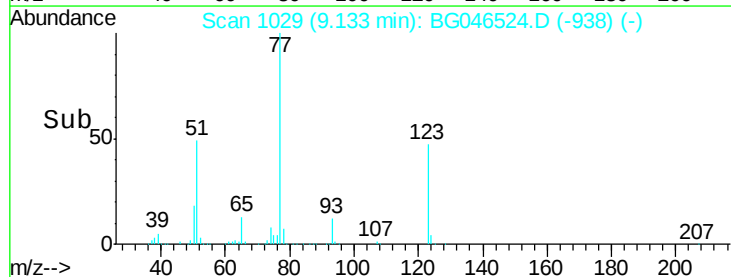
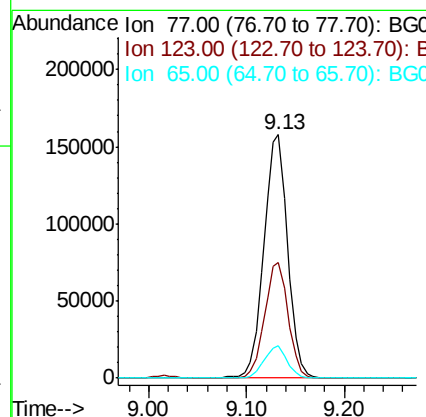
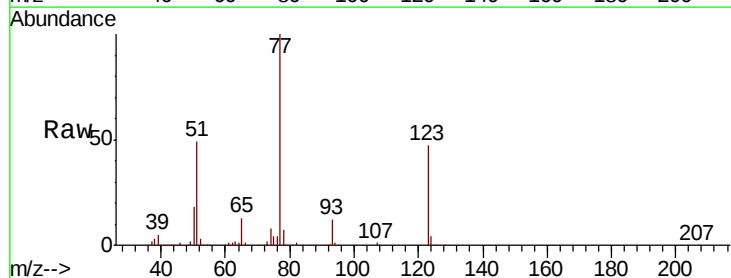
Manual Integrations
 APPROVED

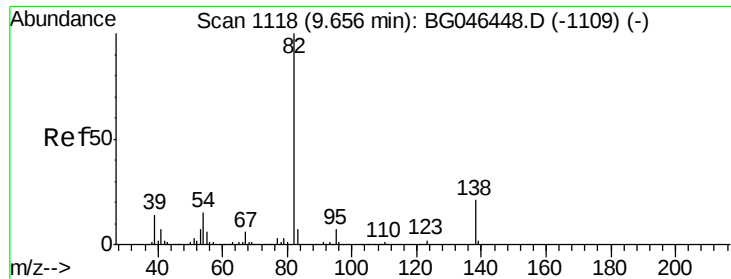
mohammad
 9/4/2020 1:55:01 PM



#24
 Nitrobenzene
 Concen: 47.957 ng
 RT: 9.13 min Scan# 1029
 Delta R.T. 0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	270905		
123	47.3	39.6	59.4	
65	13.3	10.1	15.1	





#25

Isophorone

Concen: 49.702 ng

RT: 9.66 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

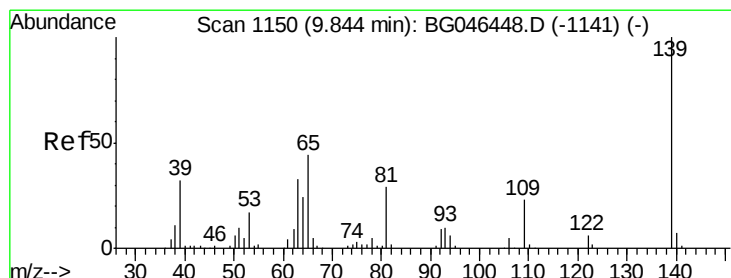
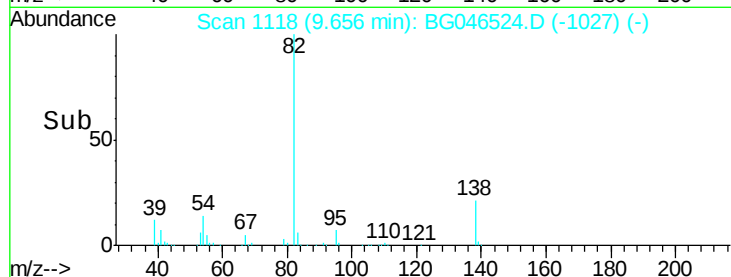
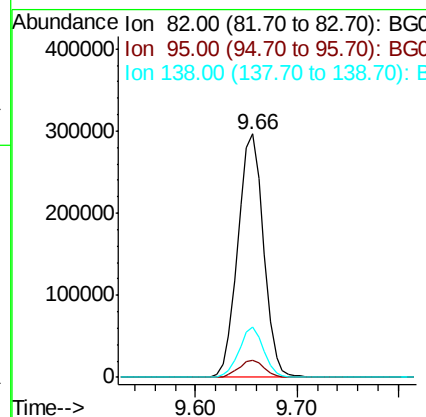
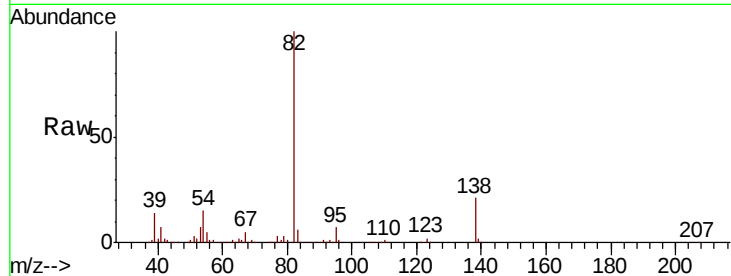
ClientSampleId :

TR-05-090220MSD

Tot Ion:	82	Resp:	521032
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.8	8.6
138	20.7	16.4	24.6

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#26

2-Nitrophenol

Concen: 50.146 ng

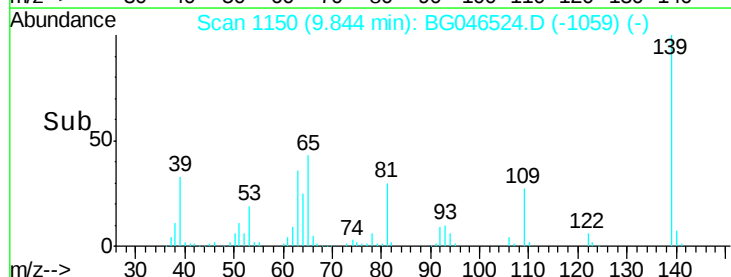
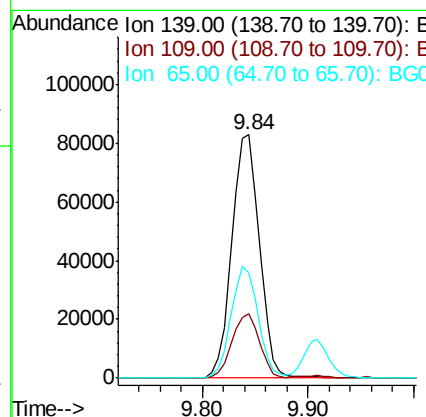
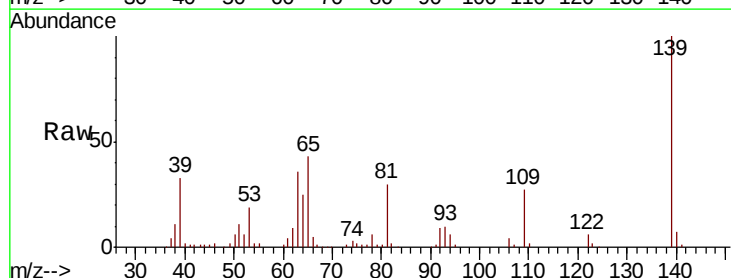
RT: 9.84 min Scan# 1150

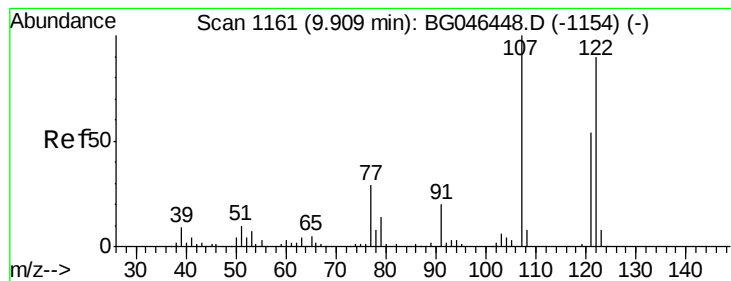
Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	139	Resp:	149457
Ion Ratio	Lower	Upper	
139	100		
109	26.6	18.8	28.2
65	43.5	35.0	52.6





#27

2,4-Dimethylphenol

Concen: 57.355 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

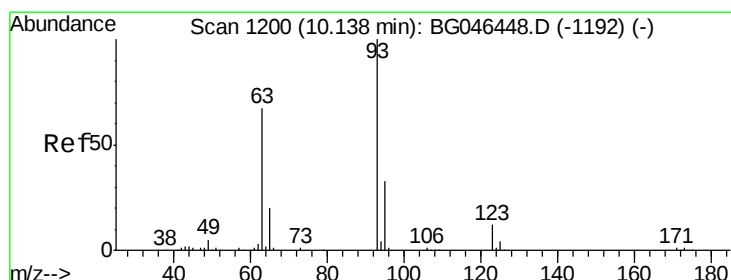
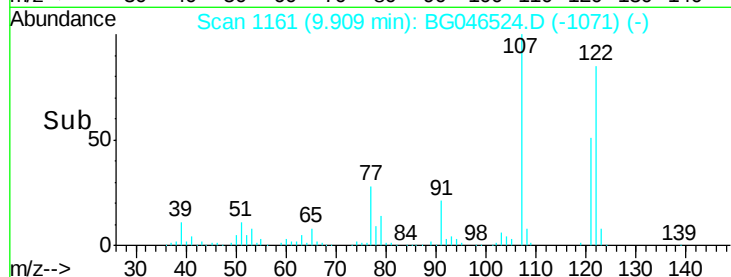
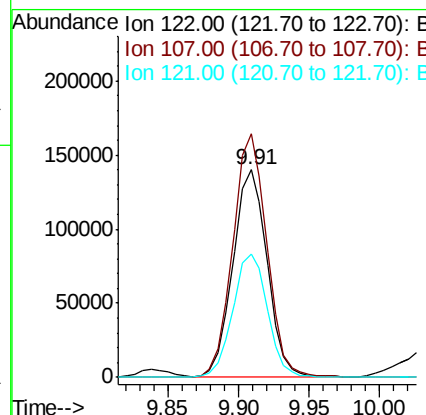
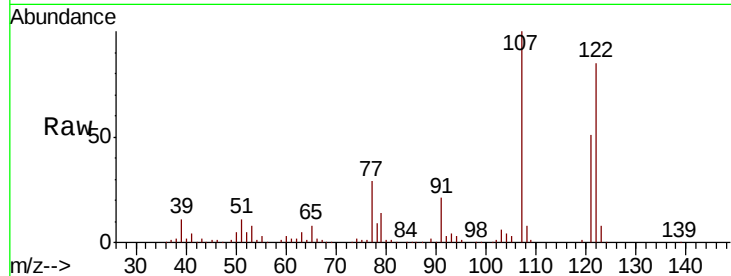
ClientSampleId :

TR-05-090220MSD

Tot Ion:	122	Resp:	235112
Ion Ratio	Lower	Upper	
122	100		
107	117.3	88.2	132.2
121	59.6	47.4	71.0

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#28

bis(2-Chloroethoxy)methane

Concen: 46.592 ng

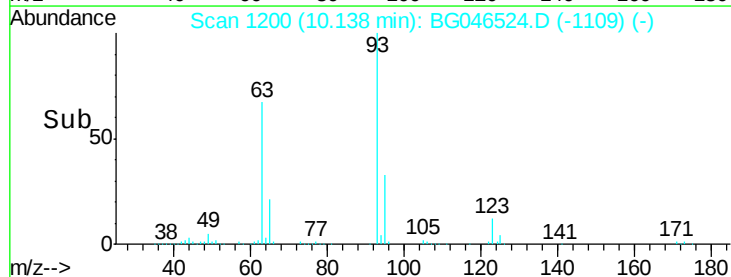
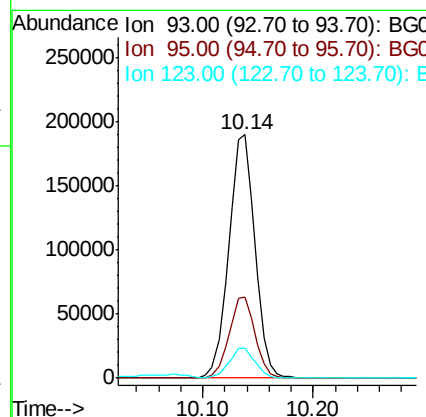
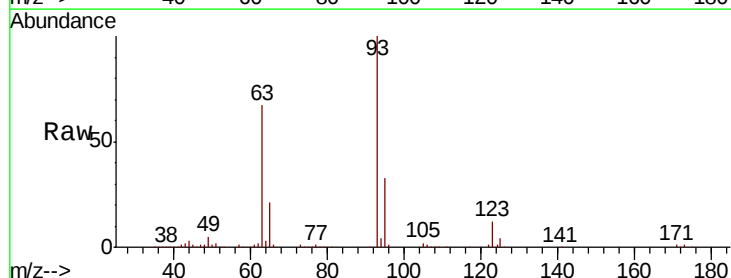
RT: 10.14 min Scan# 1200

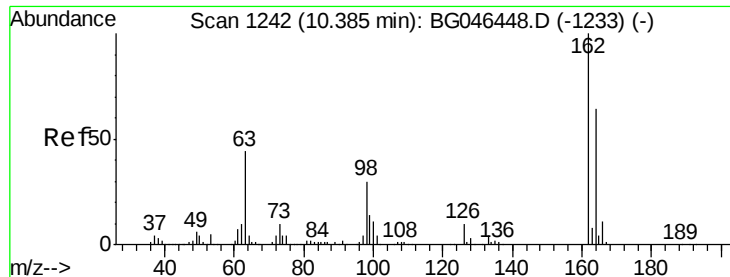
Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	93	Resp:	314370
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.1	39.1
123	12.2	9.5	14.3





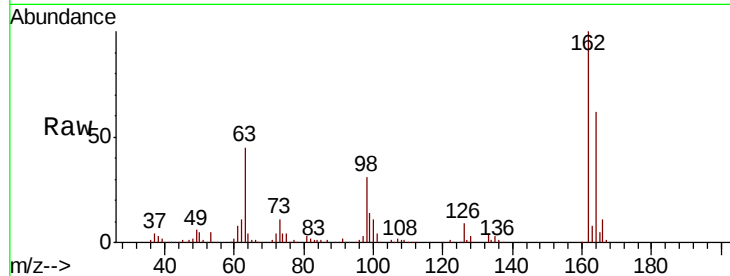
#29
2,4-Dichlorophenol
Concen: 49.772 ng
RT: 10.38 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	271984		
164	62.4	44.3	84.3	
98	30.7	10.0	50.0	

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM

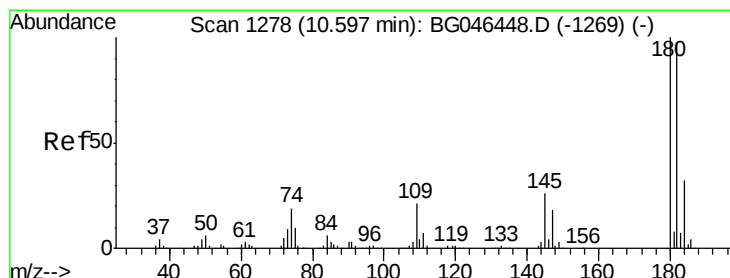
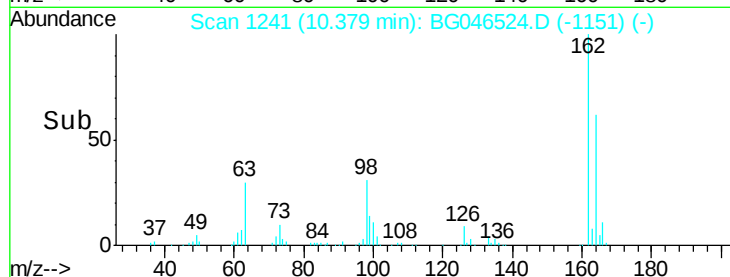
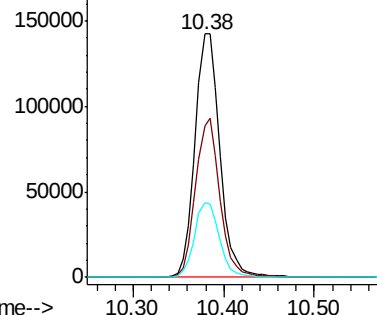


Abundance

Ion 162.00 (161.70 to 162.70): E

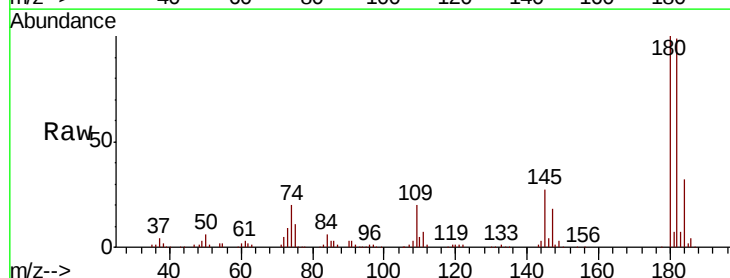
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30
1,2,4-Trichlorobenzene
Concen: 40.505 ng
RT: 10.60 min Scan# 1278
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	262630		
182	99.4	77.8	116.8	
145	27.1	20.9	31.3	

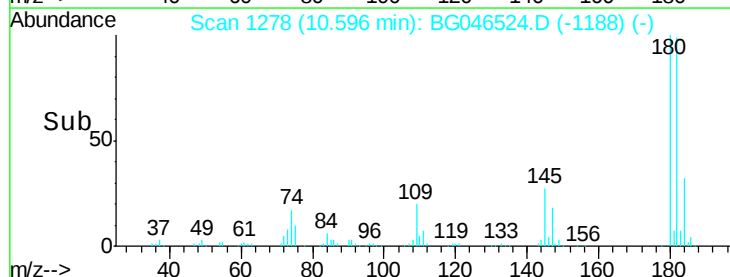
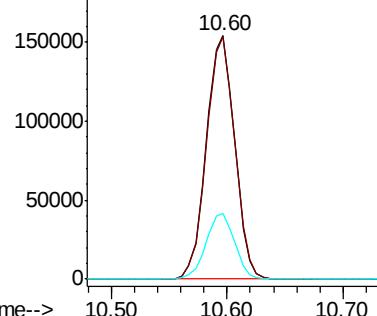


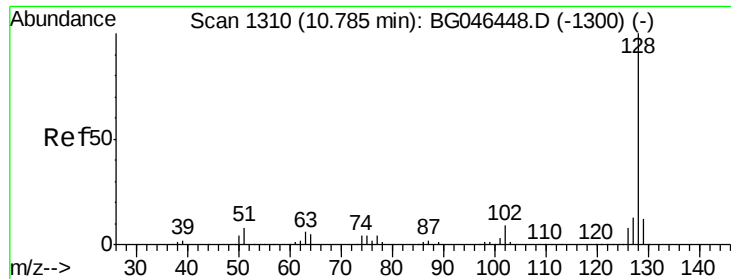
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





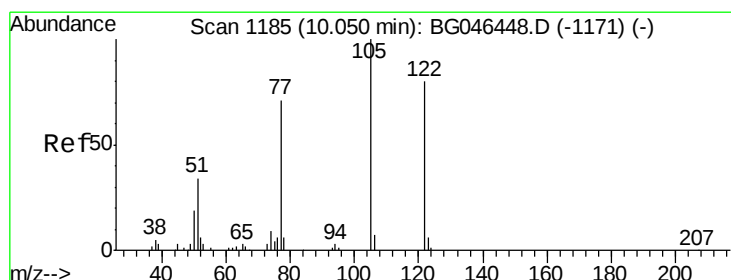
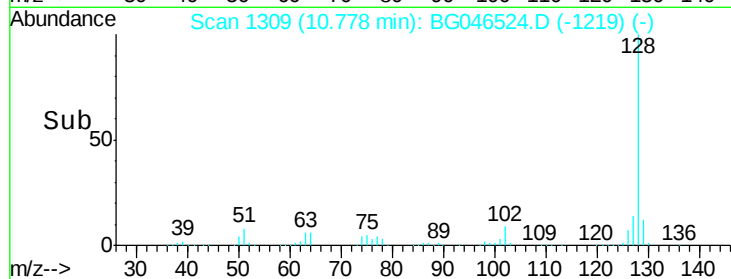
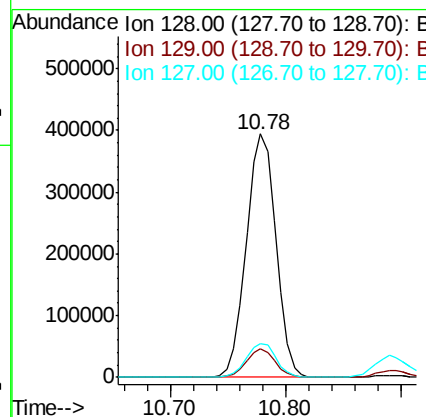
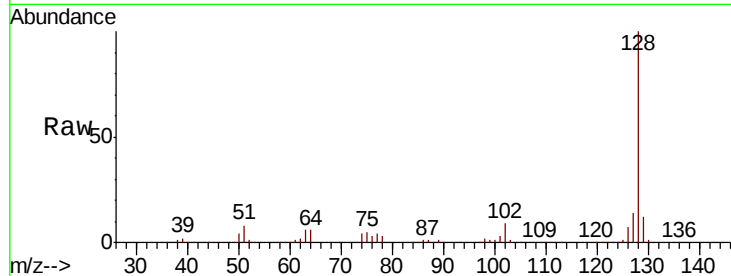
#31
Naphthalene
Concen: 44.030 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	14.1	10.7	16.1

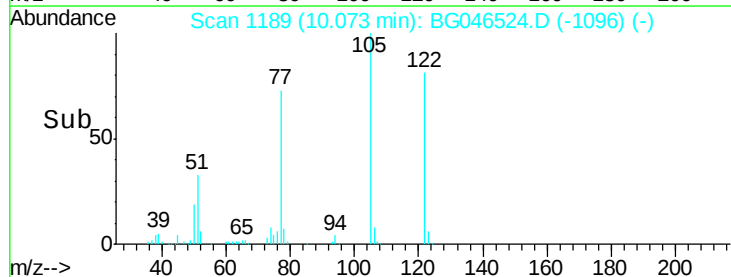
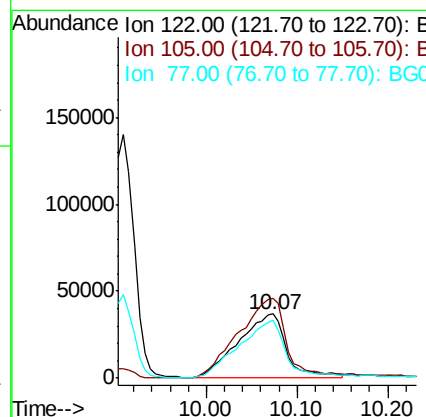
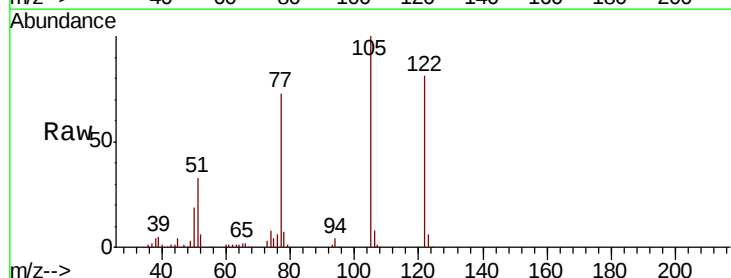
Manual Integrations
APPROVED

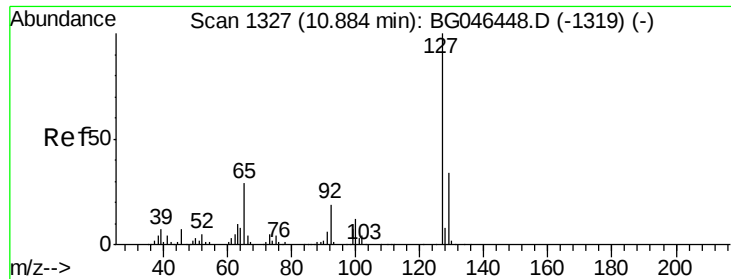
mohammad
9/4/2020 1:55:01 PM



#32
Benzoic acid
Concen: 44.764 ng
RT: 10.07 min Scan# 1189
Delta R.T. 0.02 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.1	102.5	142.5
77	91.1	68.2	108.2





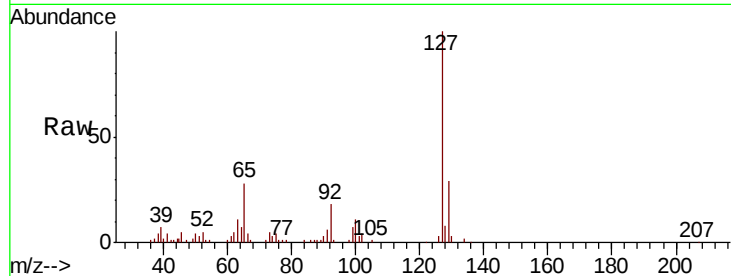
#33
4-Chloroaniline
Concen: 11.430 ng
RT: 10.89 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

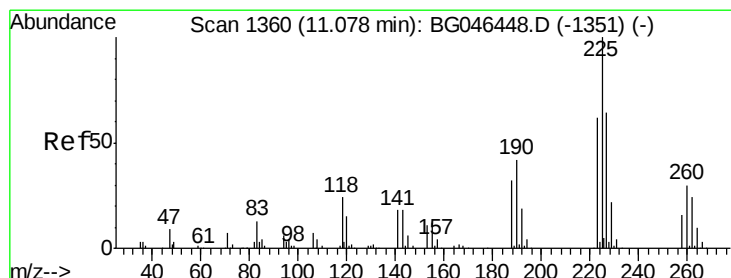
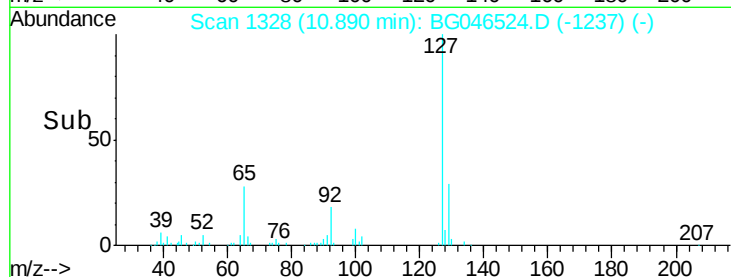
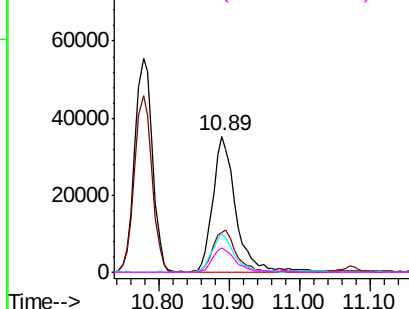
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		80427		
129	28.9	27.0	40.4		
65	27.8	23.5	35.3		
92	18.2	14.9	22.3		

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM

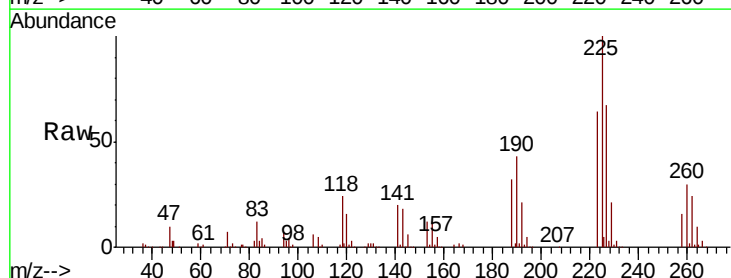


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

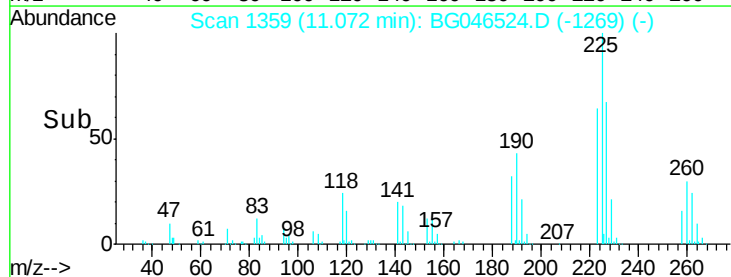
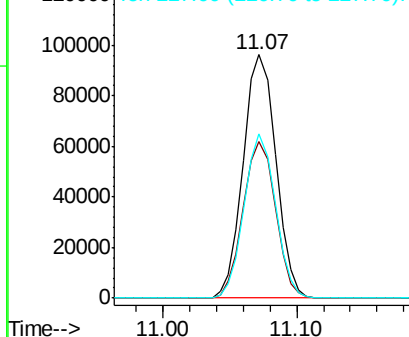


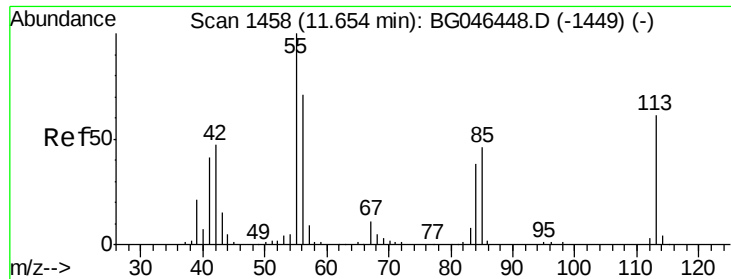
#34
Hexachlorobutadiene
Concen: 38.805 ng
RT: 11.07 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		163330		
223	64.5	49.9	74.9		
227	67.3	51.6	77.4		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





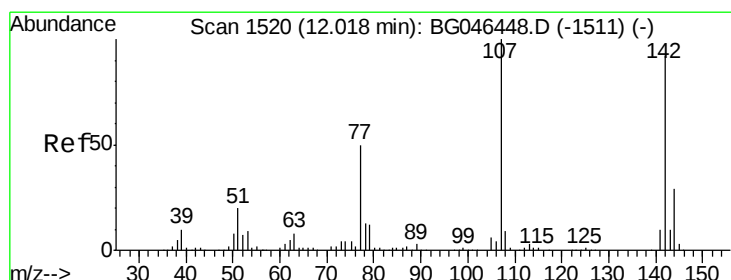
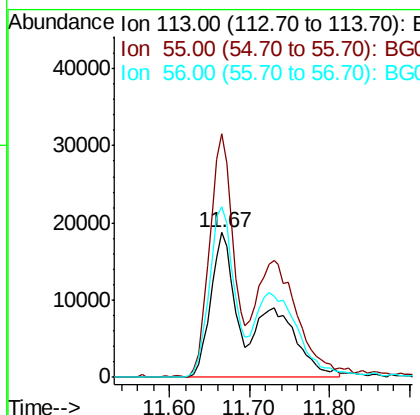
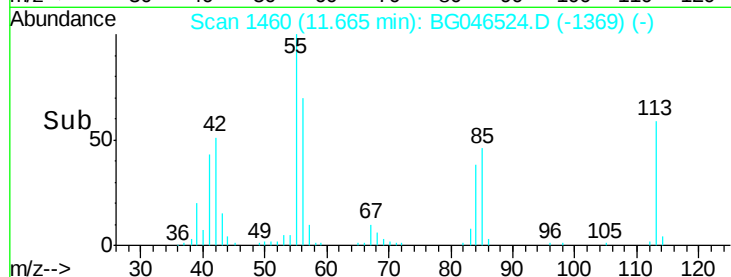
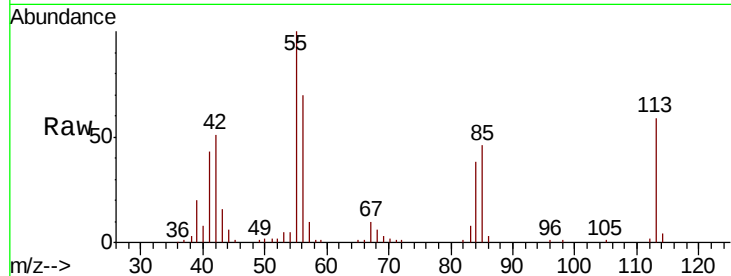
#35
 Caprolactam
 Concen: 34.558 ng/ml
 RT: 11.67 min Scan# 1460
 Delta R.T. 0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion: 113 Resp: 70591
 Ion Ratio Lower Upper
 113 100
 55 168.2 144.2 184.2
 56 118.2 97.0 137.0

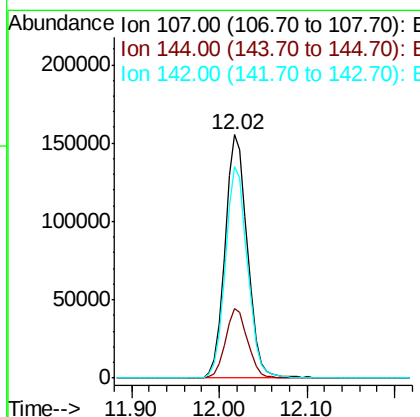
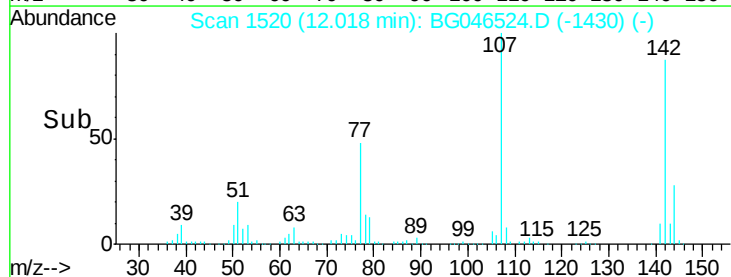
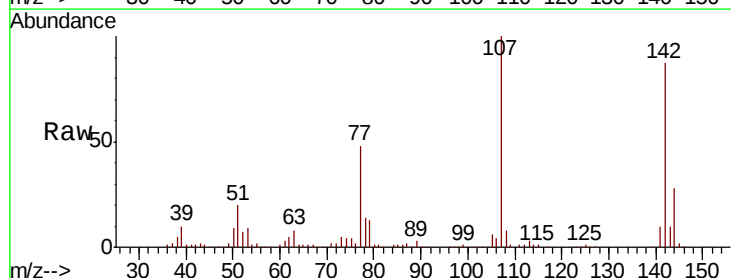
Manual Integrations
 APPROVED

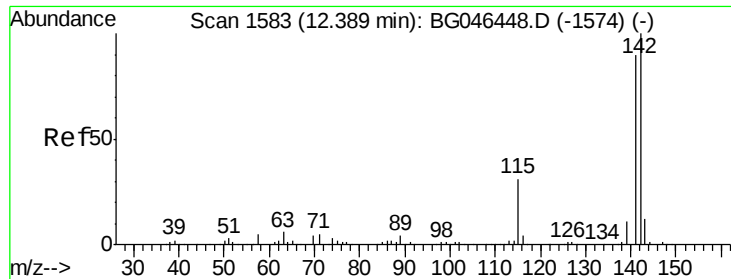
mohammad
 9/4/2020 1:55:01 PM



#36
 4-Chloro-3-methylphenol
 Concen: 50.615 ng/ml
 RT: 12.02 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion: 107 Resp: 270523
 Ion Ratio Lower Upper
 107 100
 144 28.4 23.3 34.9
 142 87.0 73.7 110.5





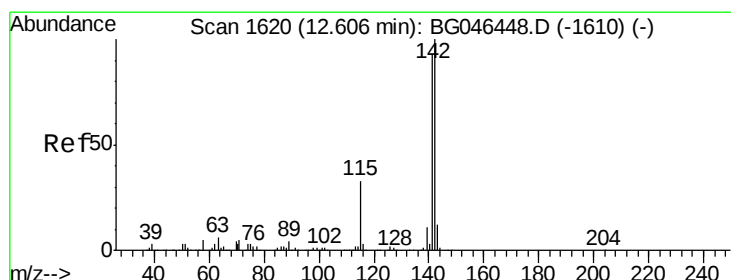
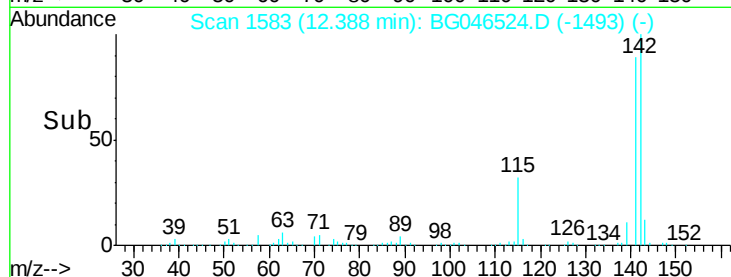
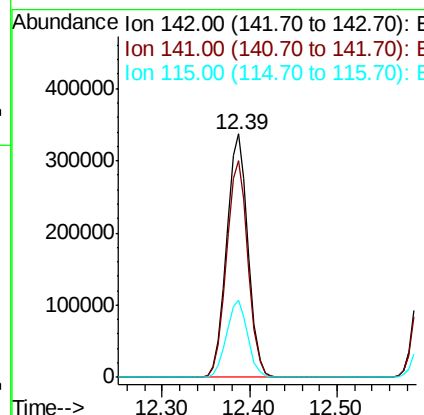
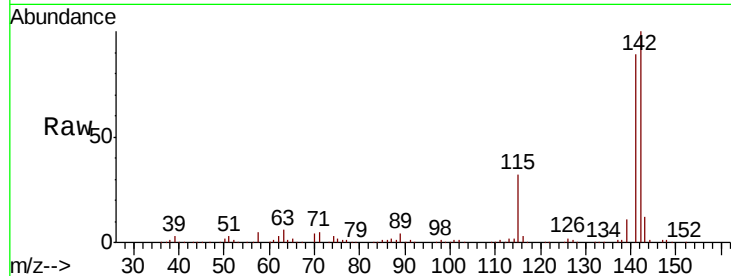
#37
2-Methylnaphthalene
Concen: 45.011 ng
RT: 12.39 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.1	108.1
115	31.9	24.9	37.3

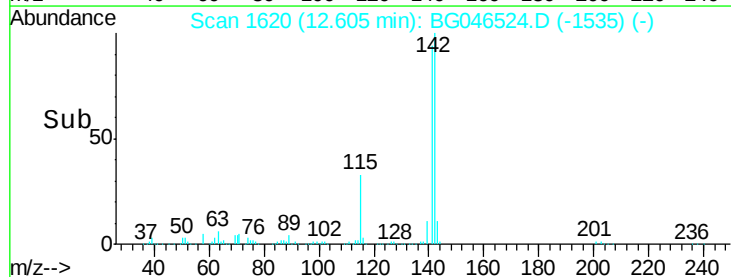
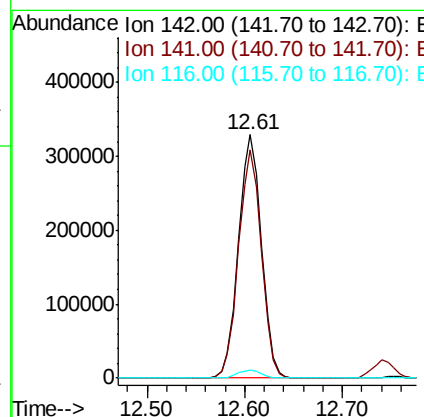
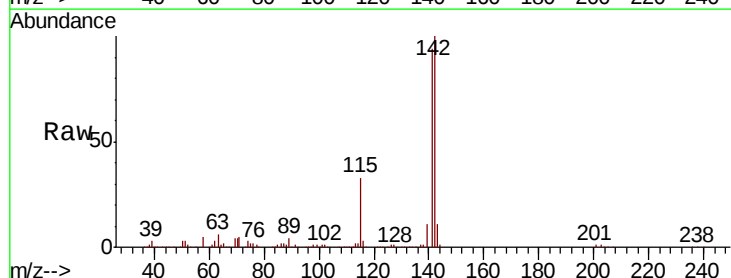
Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#38
1-Methylnaphthalene
Concen: 44.888 ng
RT: 12.61 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.7	112.1
116	3.4	2.6	4.0





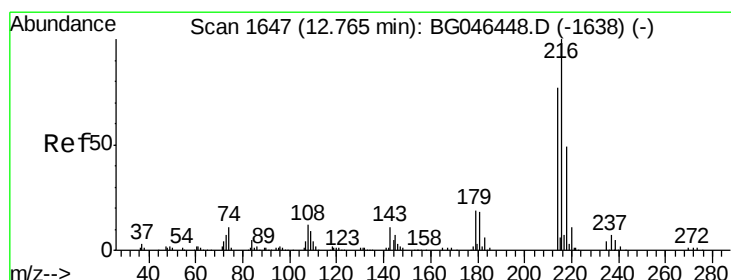
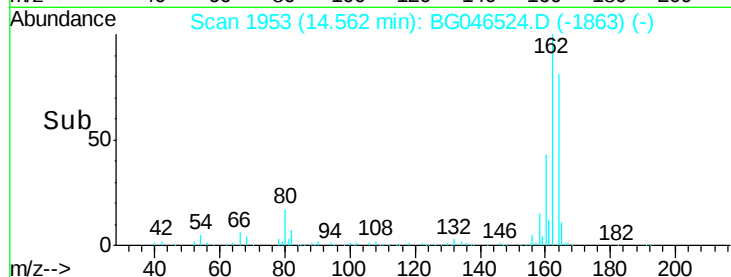
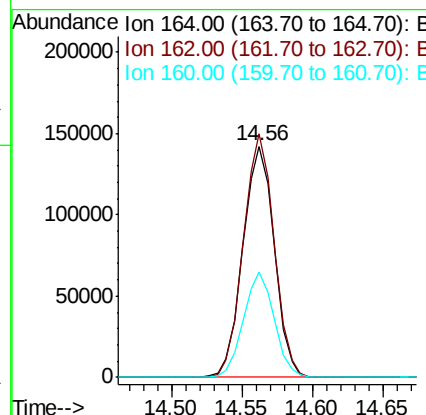
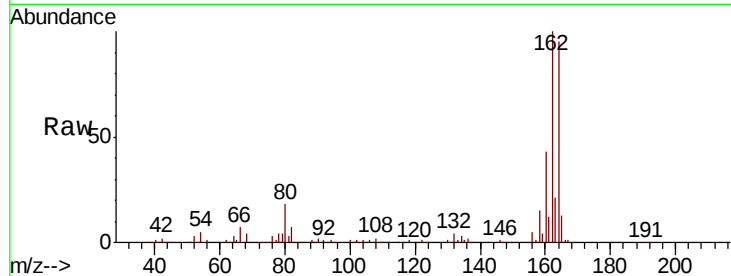
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.3	124.9
160	45.3	35.0	52.6

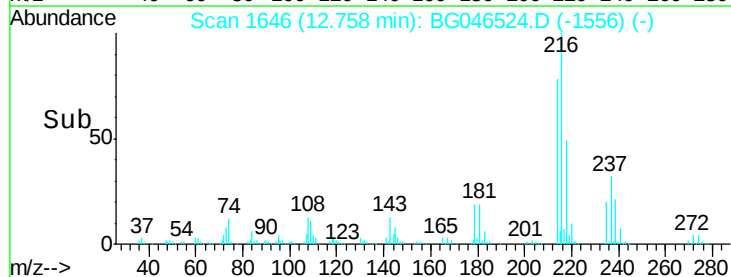
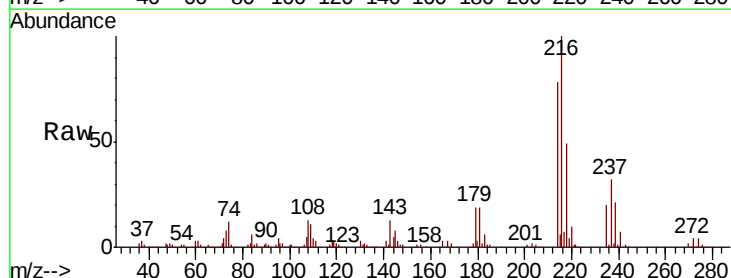
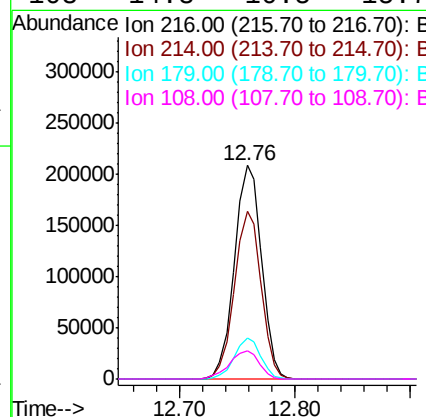
Manual Integrations
APPROVED

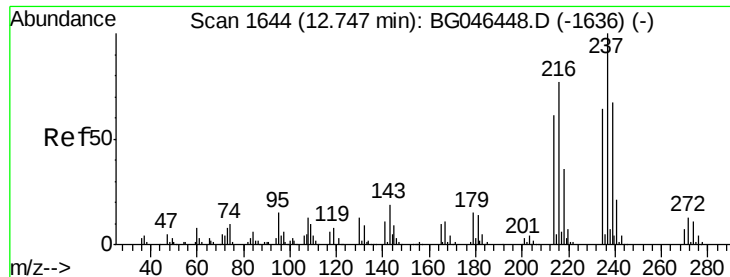
mohammad
9/4/2020 1:55:01 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.210 ng
RT: 12.76 min Scan# 1646
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.1	93.1
179	18.5	14.9	22.3
108	14.8	10.5	15.7





#41

Hexachlorocyclopentadiene

Concen: 113.226 ng

RT: 12.74 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

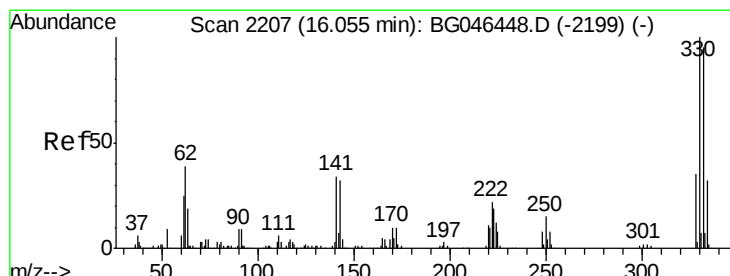
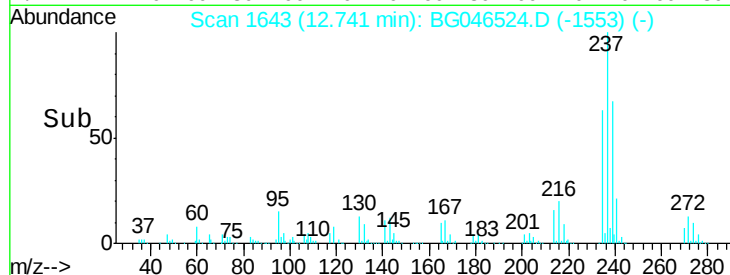
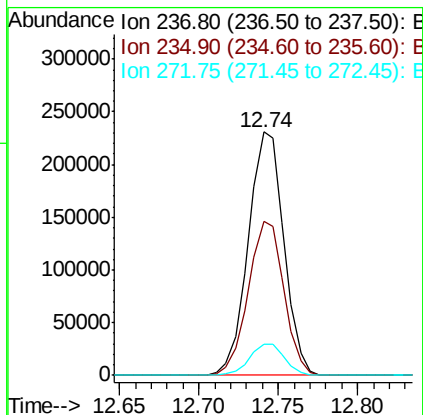
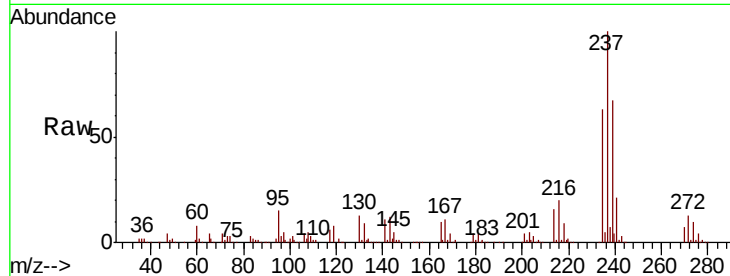
ClientSampleId :

TR-05-090220MSD

Tot Ion:	237	Resp:	359761
Ion Ratio	Lower	Upper	
237	100		
235	63.5	44.5	84.5
272	12.7	0.0	32.8

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#42

2,4,6-Tribromophenol

Concen: 115.513 ng

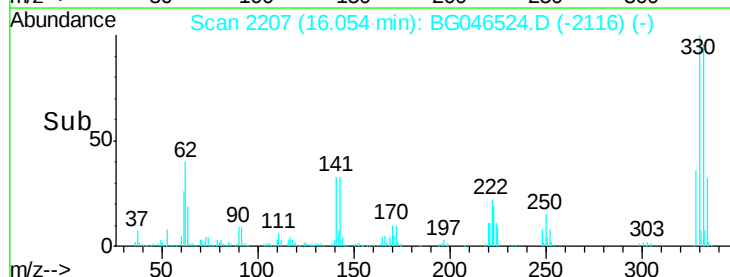
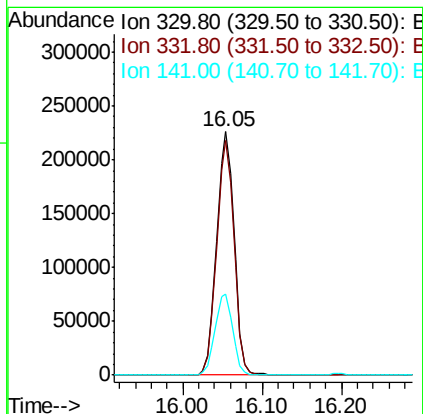
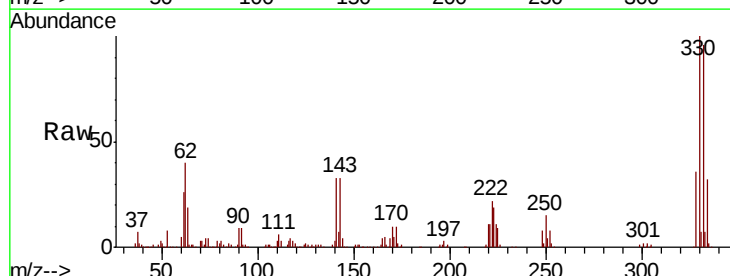
RT: 16.05 min Scan# 2207

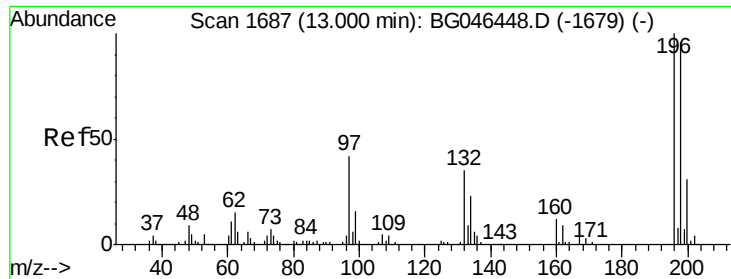
Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	330	Resp:	346816
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.1	114.1
141	33.5	26.1	39.1





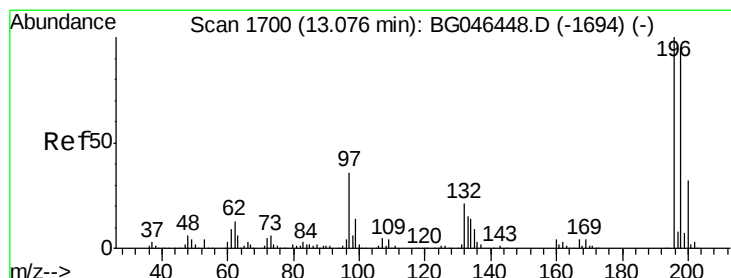
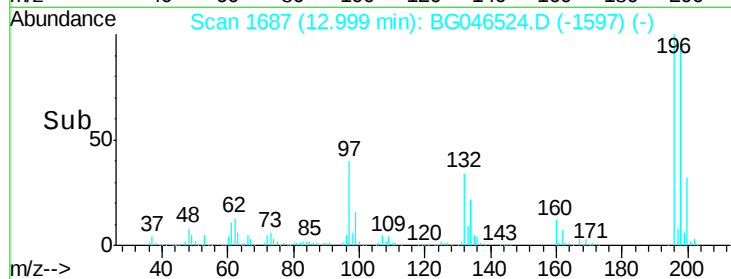
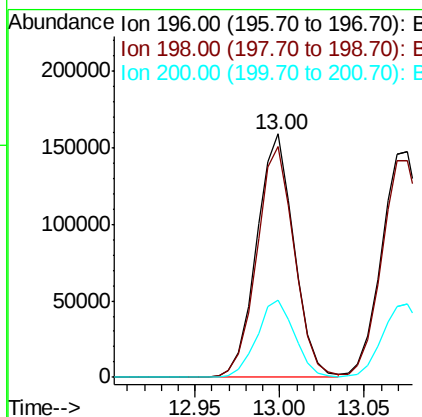
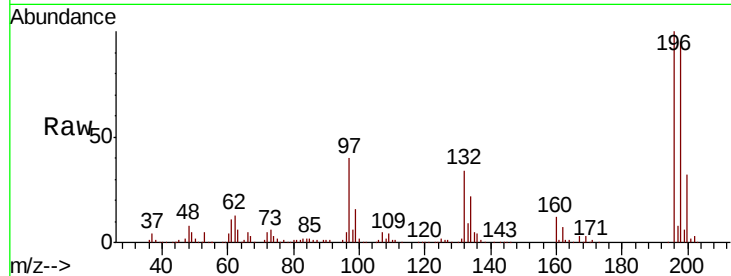
#43
 2,4,6-Trichlorophenol
 Concen: 49.327 ng
 RT: 13.00 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	243237		
198	94.6	77.0	115.6	
200	31.6	25.2	37.8	

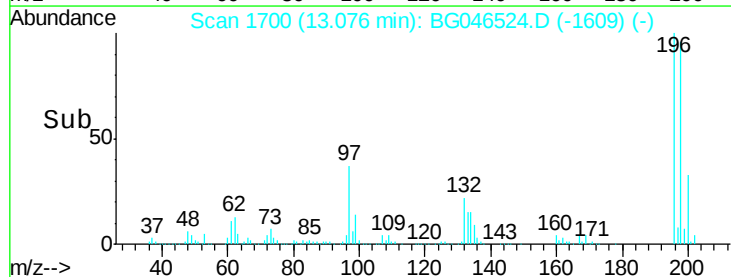
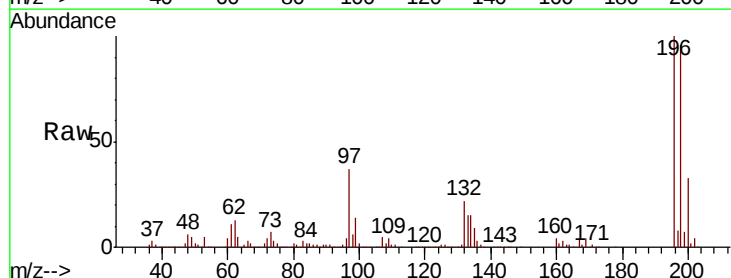
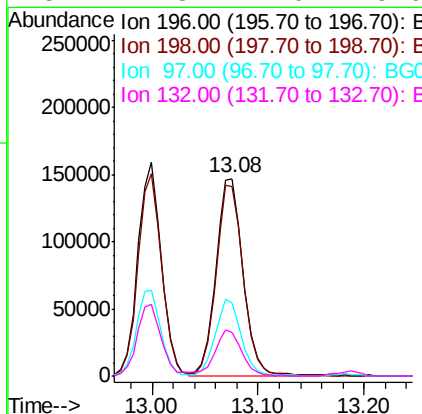
Manual Integrations
 APPROVED

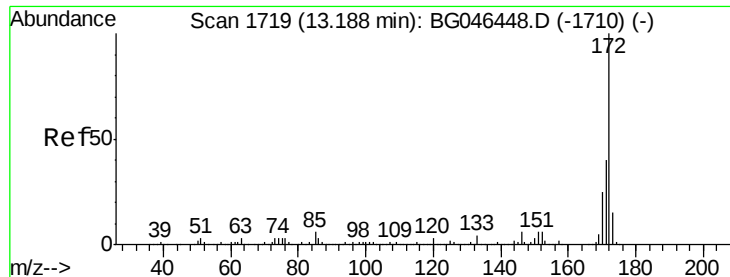
mohammad
 9/4/2020 1:55:01 PM



#44
 2,4,5-Trichlorophenol
 Concen: 50.611 ng
 RT: 13.08 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	262216		
198	95.9	75.6	113.4	
97	37.1	28.6	43.0	
132	22.3	17.0	25.6	





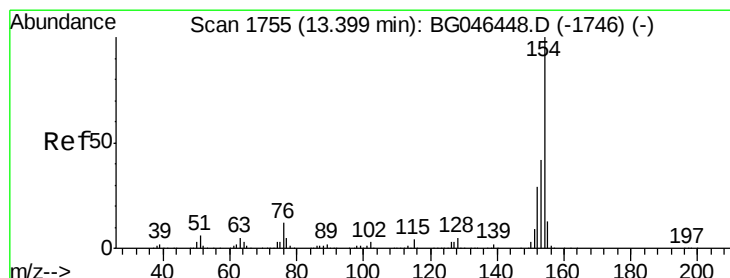
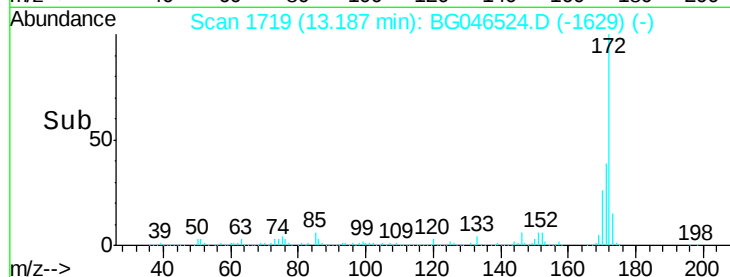
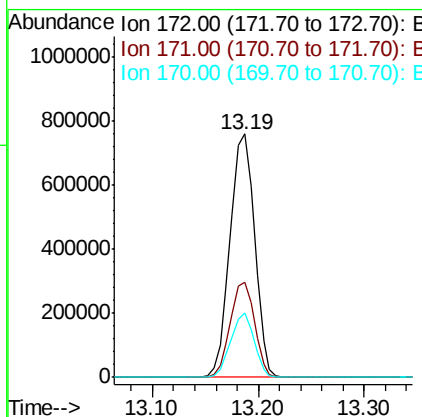
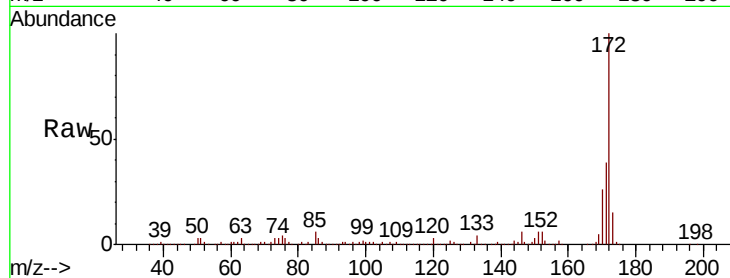
#45
 2-Fluorobiphenyl
 Concen: 84.285 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.3	31.8	47.6
170	26.4	20.3	30.5

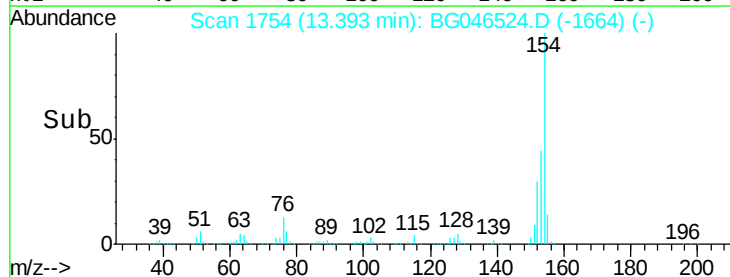
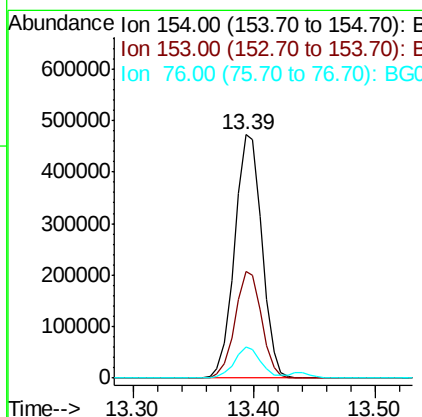
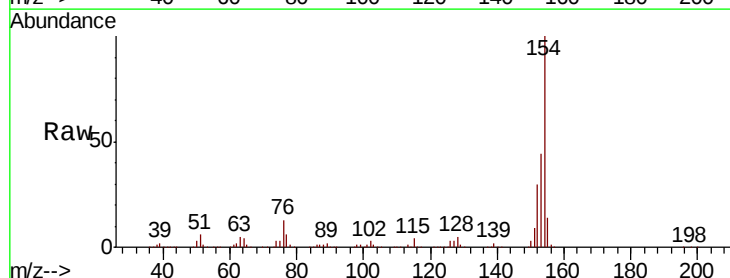
Manual Integrations
 APPROVED

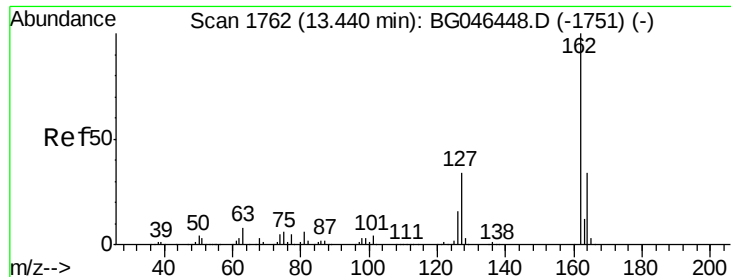
mohammad
 9/4/2020 1:55:01 PM



#46
 1,1'-Biphenyl
 Concen: 48.166 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.7	22.0	62.0
76	12.6	0.0	32.3





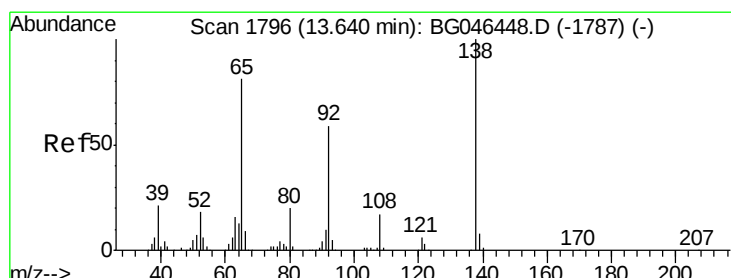
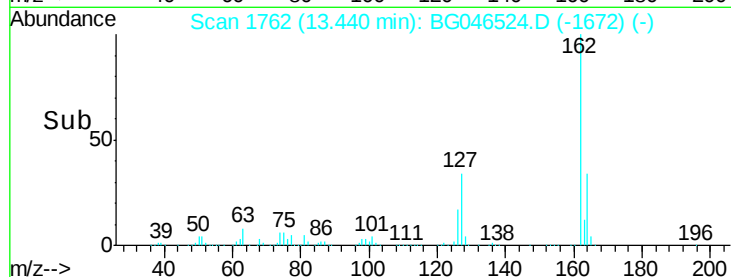
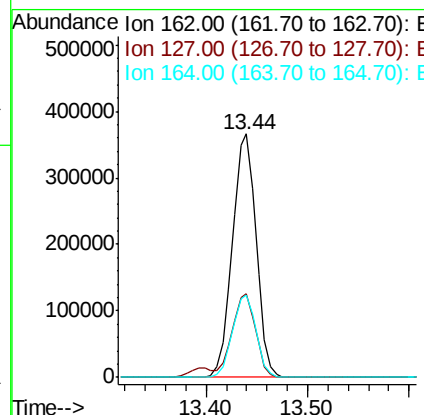
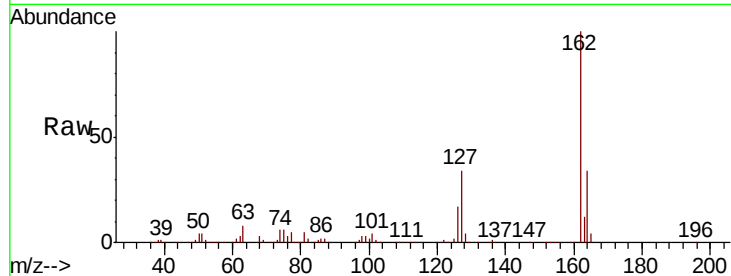
#47
2-Chloronaphthalene
Concen: 45.328 ng
RT: 13.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	34.3	27.6	41.4
164	34.0	27.3	40.9

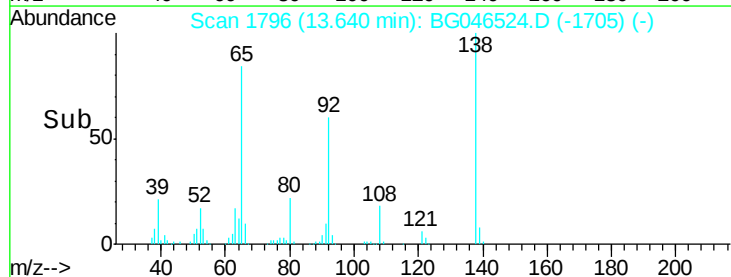
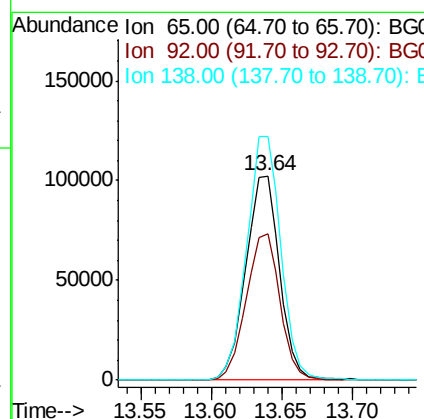
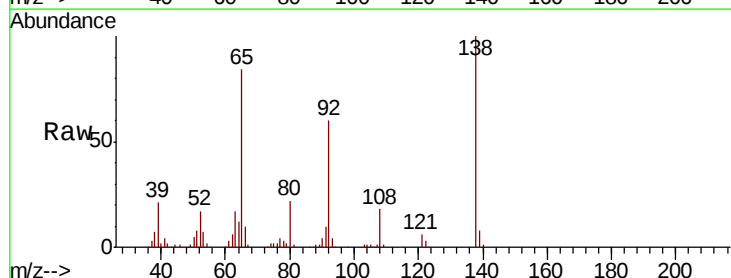
Manual Integrations
APPROVED

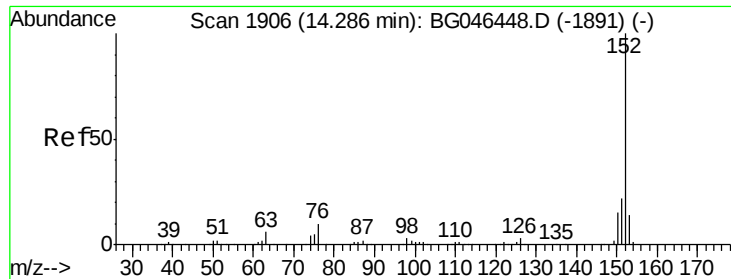
mohammad
9/4/2020 1:55:01 PM



#48
2-Nitroaniline
Concen: 47.506 ng
RT: 13.64 min Scan# 1796
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.7	58.5	87.7
138	119.4	98.4	147.6





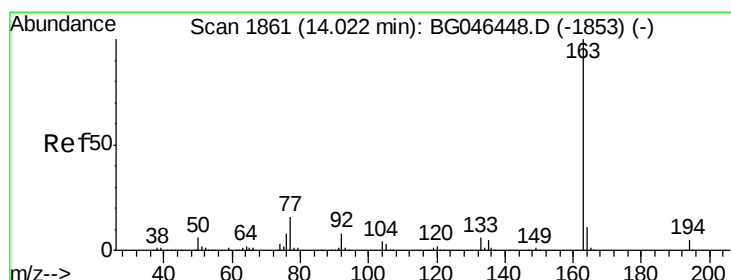
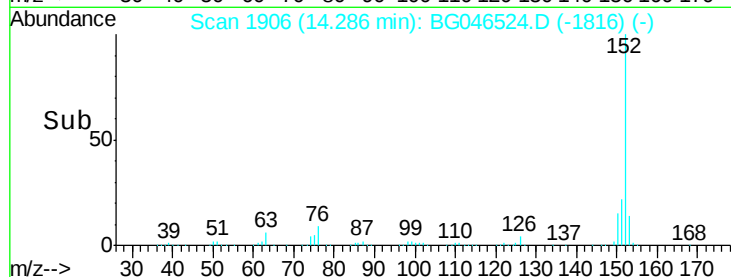
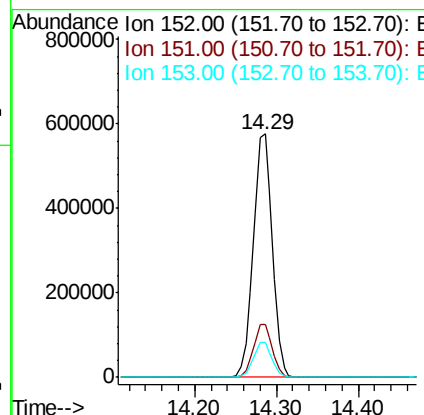
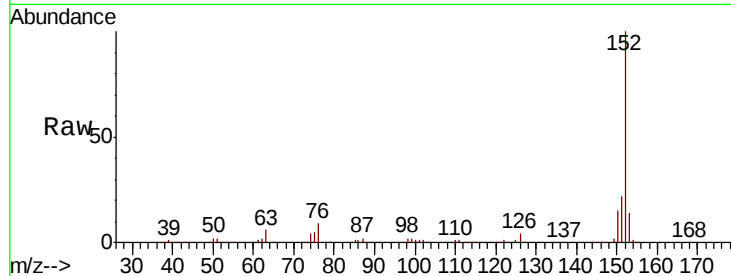
#49
Acenaphthylene
Concen: 46.988 ng
RT: 14.29 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion:	152	Resp:	931690
Ion Ratio	Lower	Upper	
152	100		
151	21.9	17.7	26.5
153	14.3	11.2	16.8

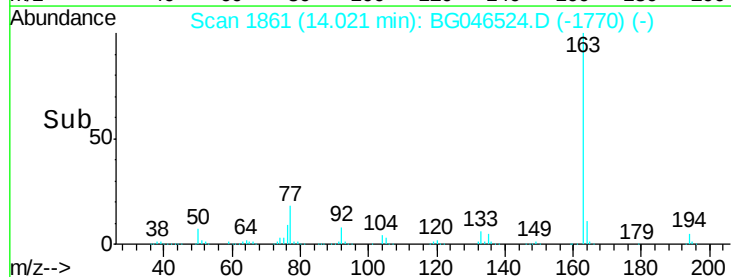
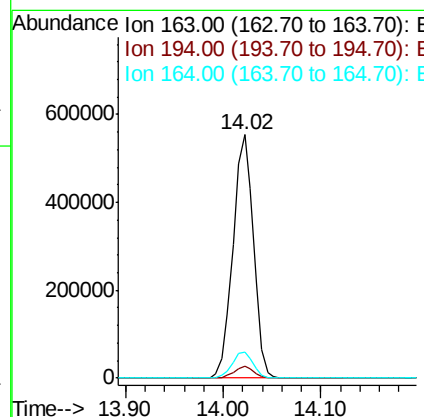
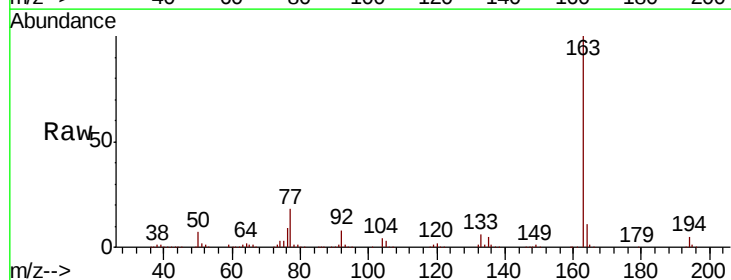
Manual Integrations
APPROVED

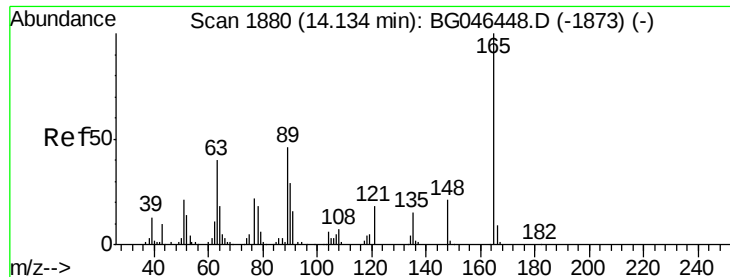
mohammad
9/4/2020 1:55:01 PM



#50
Dimethylphthalate
Concen: 46.886 ng
RT: 14.02 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion:	163	Resp:	803781
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.7	5.5
164	10.7	8.6	12.8





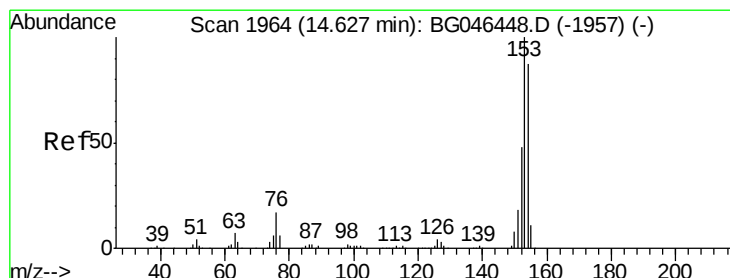
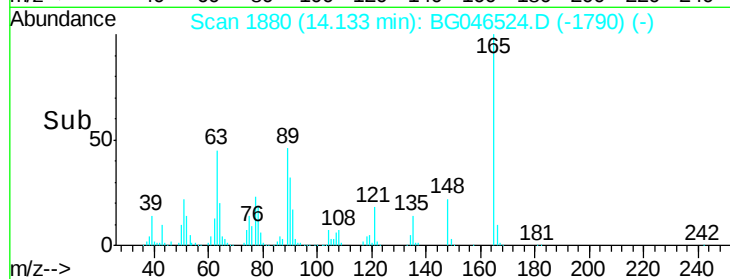
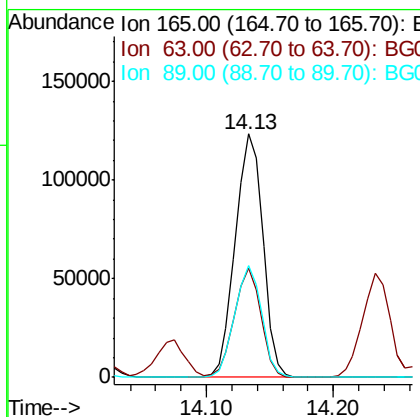
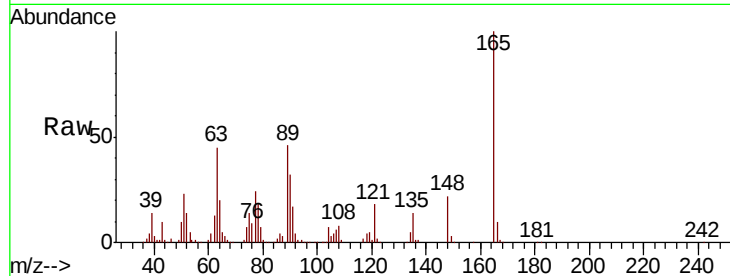
#51
 2,6-Dinitrotoluene
 Concen: 49.105 ng
 RT: 14.13 min Scan# 1880
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	185566		
63	45.1		34.2	51.4
89	46.0		37.0	55.4

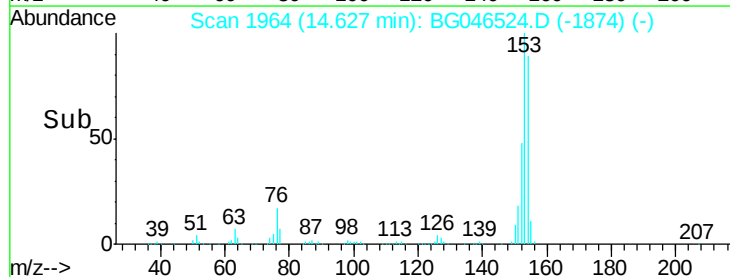
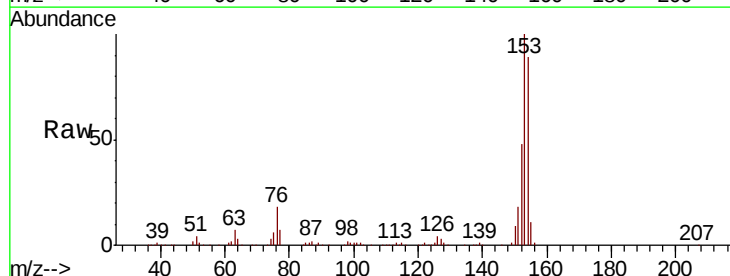
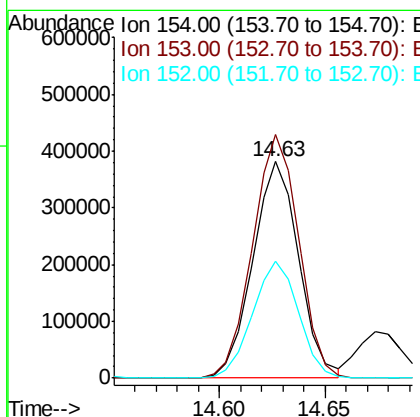
Manual Integrations
 APPROVED

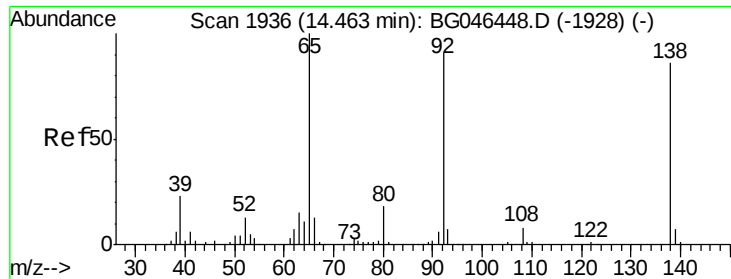
mohammad
 9/4/2020 1:55:01 PM



#52
 Acenaphthene
 Concen: 46.961 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	577028		
153	112.5		91.9	137.9
152	54.3		43.8	65.6





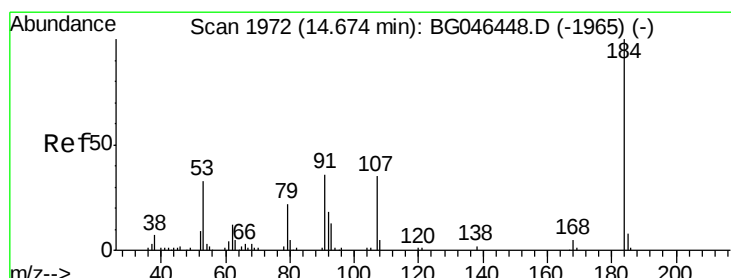
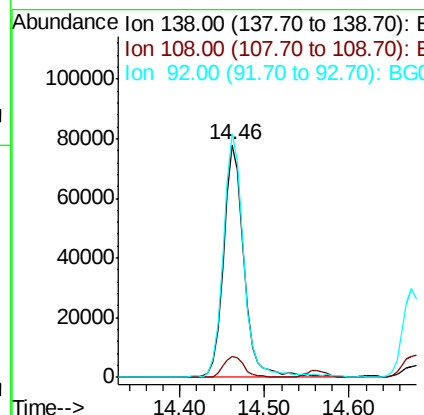
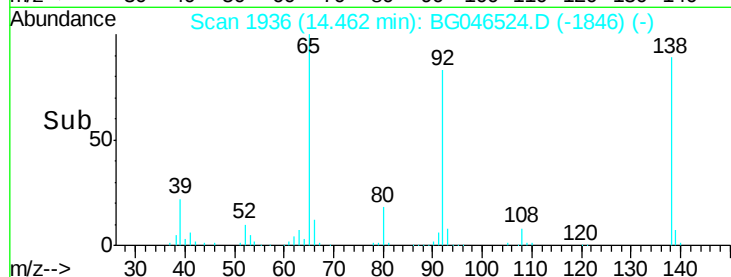
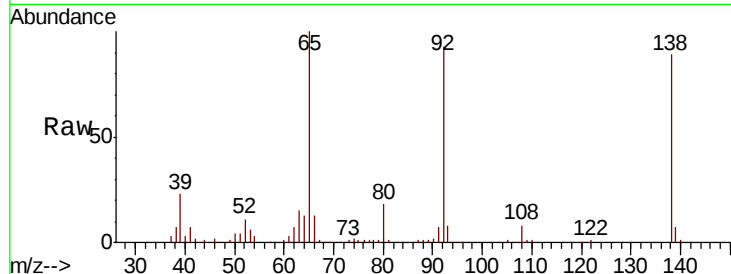
#53
 3-Nitroaniline
 Concen: 32.111 ng
 RT: 14.46 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleID :
 TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.2	7.0	10.6
92	104.7	84.6	127.0

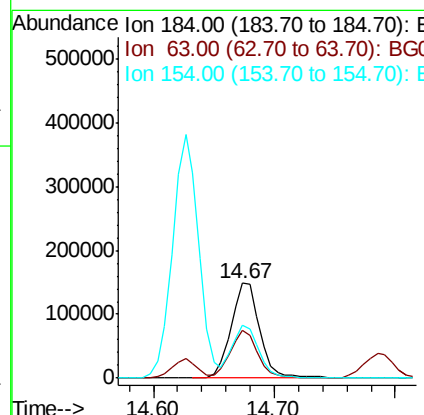
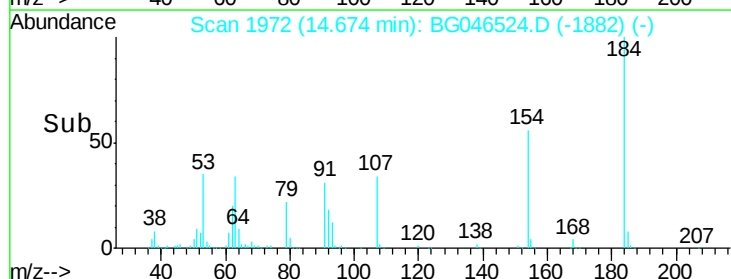
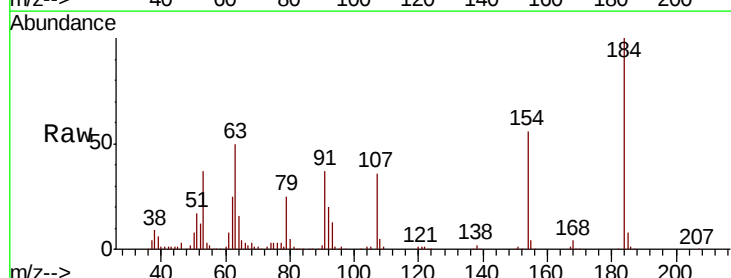
Manual Integrations
 APPROVED

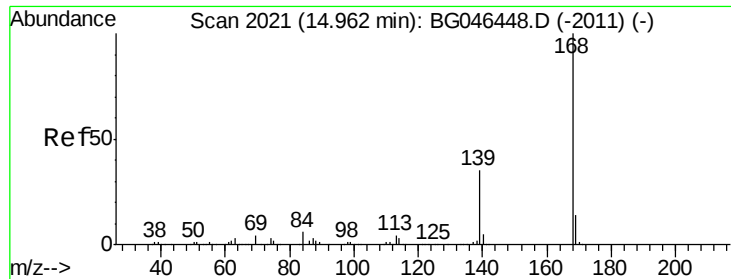
mohammad
 9/4/2020 1:55:01 PM



#54
 2,4-Dinitrophenol
 Concen: 111.131 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
184	100		
63	49.9	35.6	53.4
154	55.8	44.3	66.5





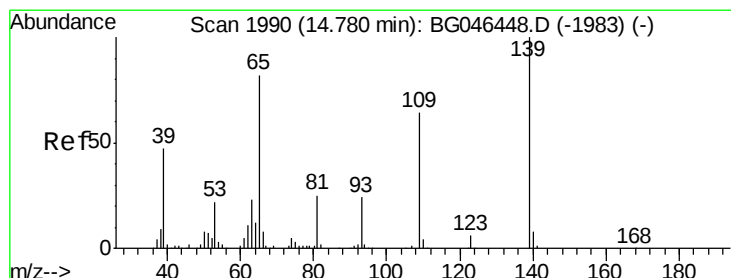
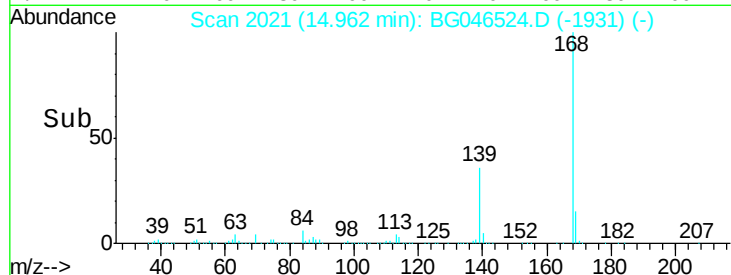
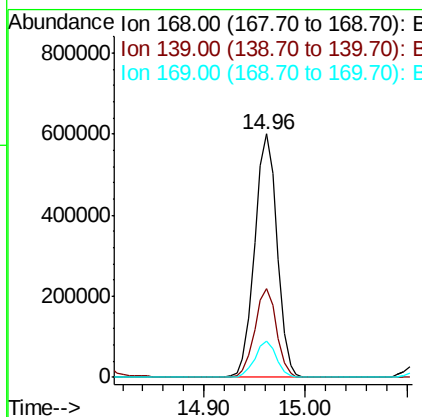
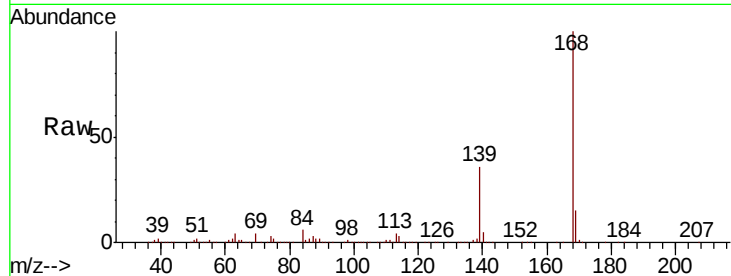
#55
Dibenzenofuran
Concen: 46.701 ng
RT: 14.96 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	920898		
139	36.3	28.1	42.1	
169	14.8	11.5	17.3	

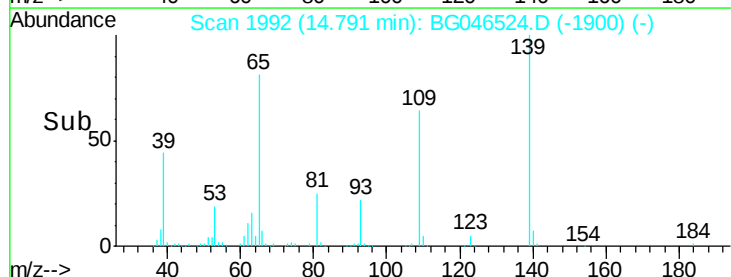
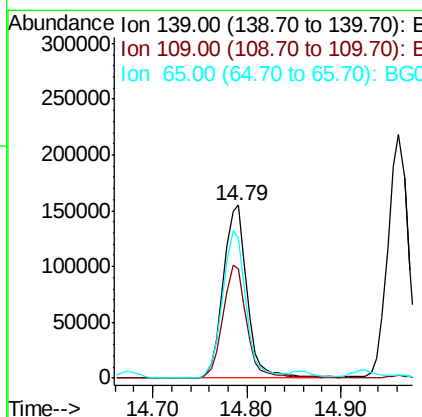
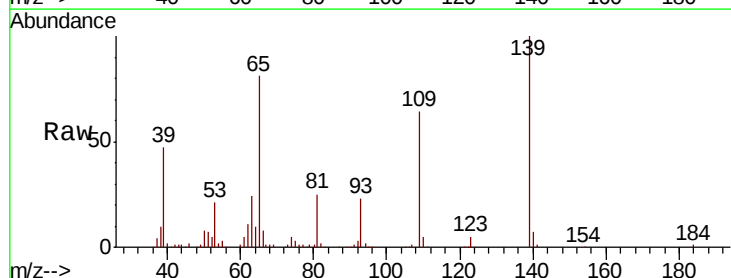
Manual Integrations
APPROVED

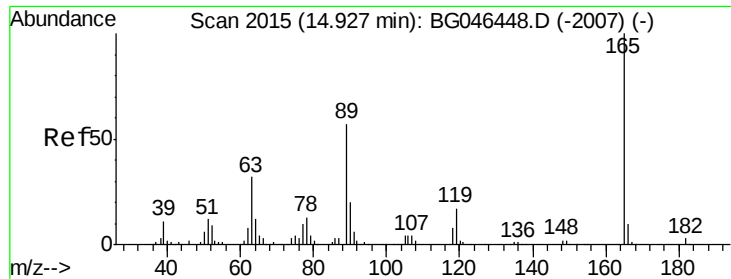
mohammad
9/4/2020 1:55:01 PM



#56
4-Nitrophenol
Concen: 92.010 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	277188		
109	63.6	44.3	84.3	
65	81.3	61.5	101.5	





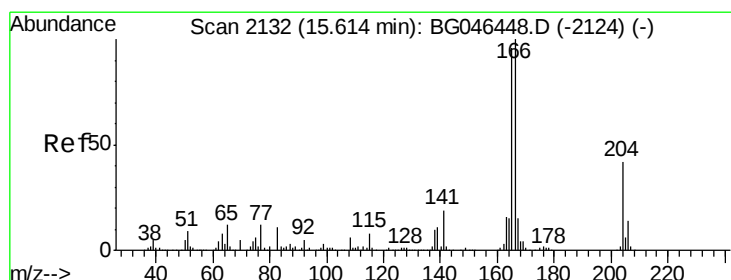
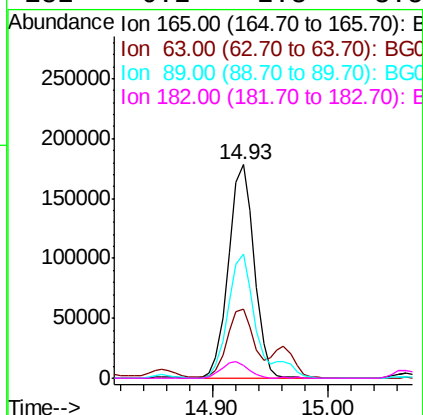
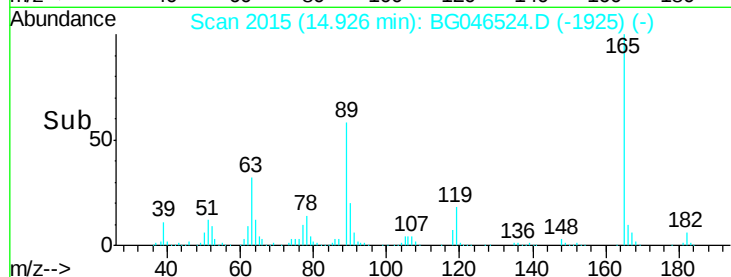
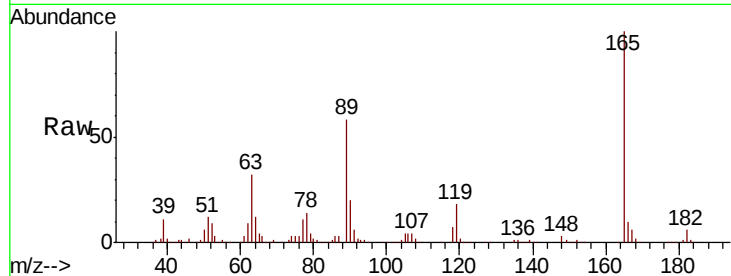
#57
2,4-Dinitrotoluene
Concen: 50.773 ng
RT: 14.93 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	32.1	25.4	38.0
89	57.9	45.9	68.9
182	6.2	2.3	3.5#

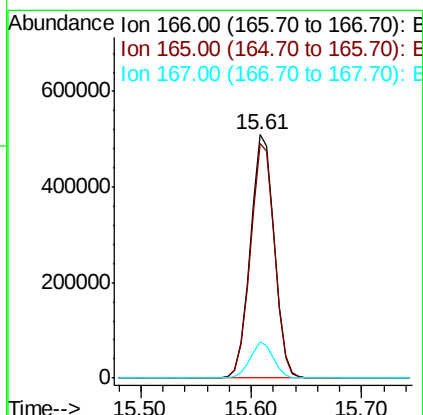
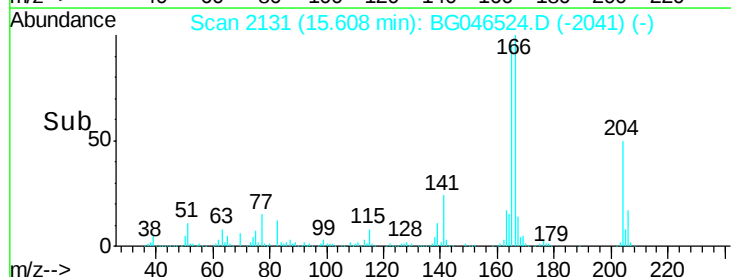
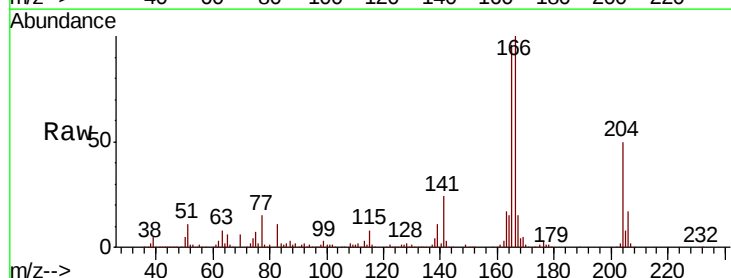
Manual Integrations
APPROVED

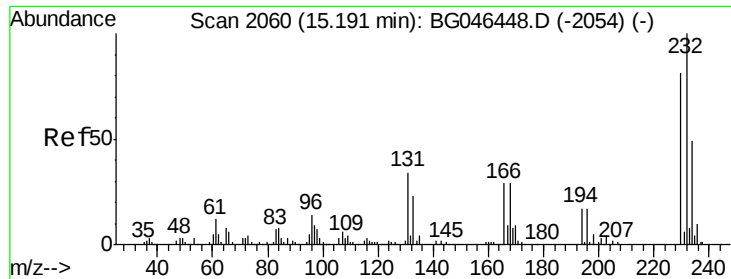
mohammad
9/4/2020 1:55:01 PM



#58
Fluorene
Concen: 46.708 ng
RT: 15.61 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.0	115.4
167	14.8	11.8	17.6





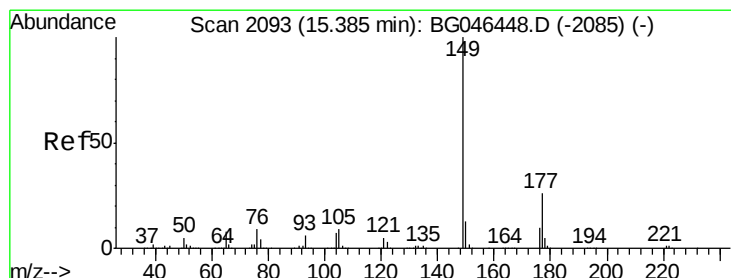
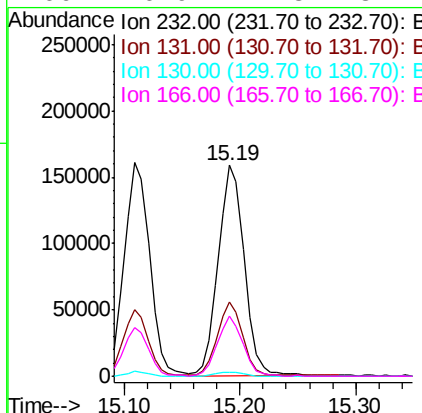
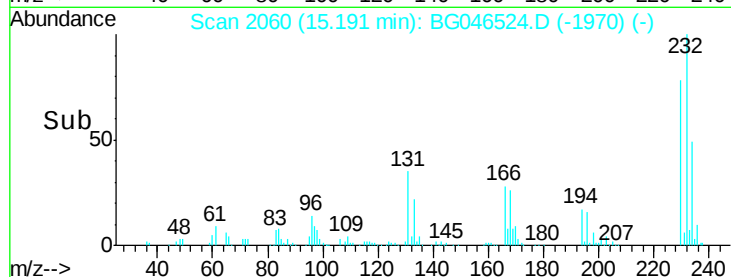
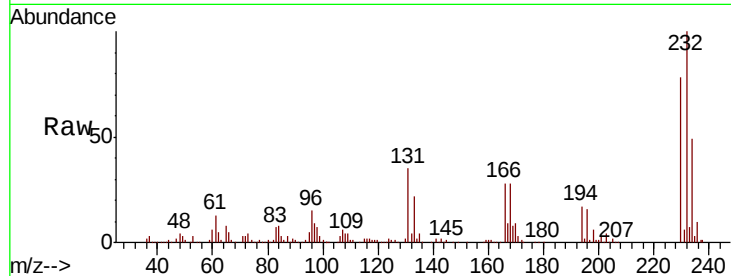
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.249 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		247777		
131	34.5	26.8	40.2		
130	1.9	1.4	2.2		
166	26.9	22.8	34.2		

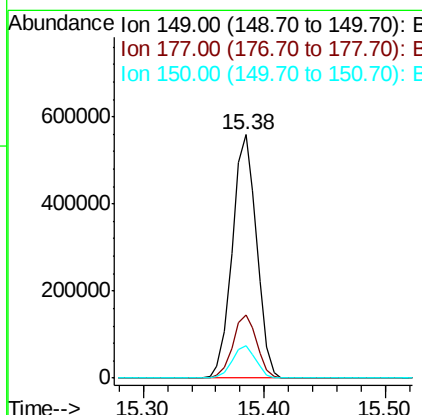
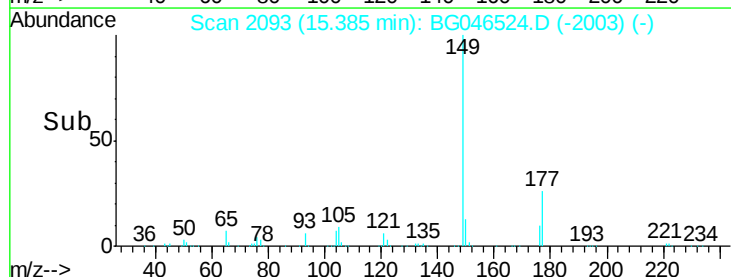
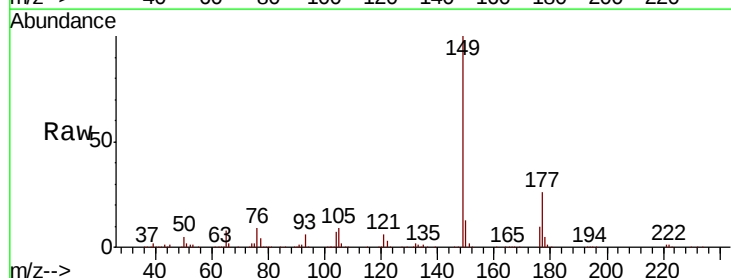
Manual Integrations
 APPROVED

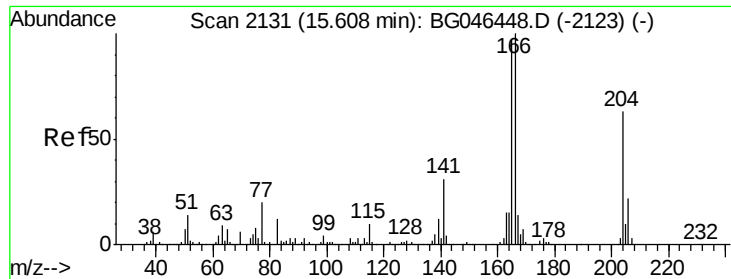
mohammad
 9/4/2020 1:55:01 PM



#60
 Diethylphthalate
 Concen: 46.769 ng
 RT: 15.38 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		781732		
177	26.0	20.6	30.8		
150	13.3	10.3	15.5		





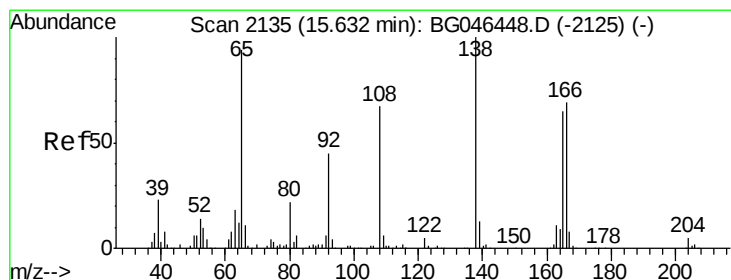
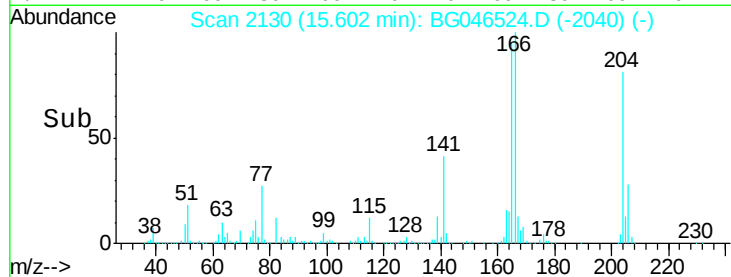
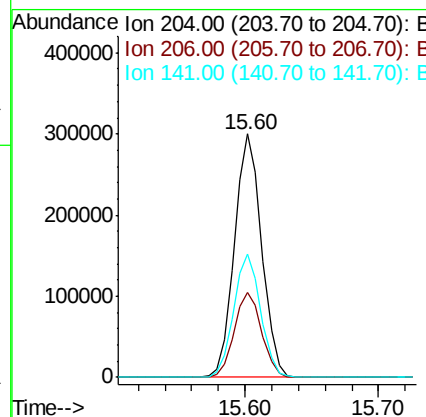
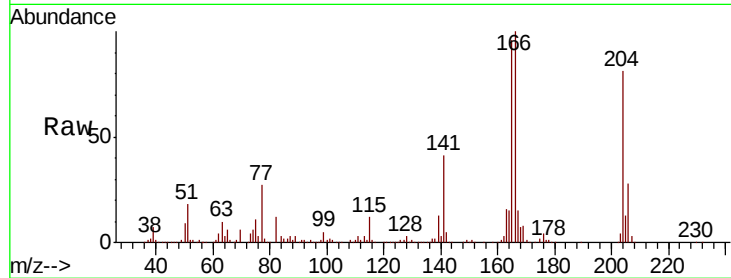
#61
4-Chlorophenyl-phenylether
Concen: 46.505 ng
RT: 15.60 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.6	27.7	41.5
141	50.5	38.7	58.1

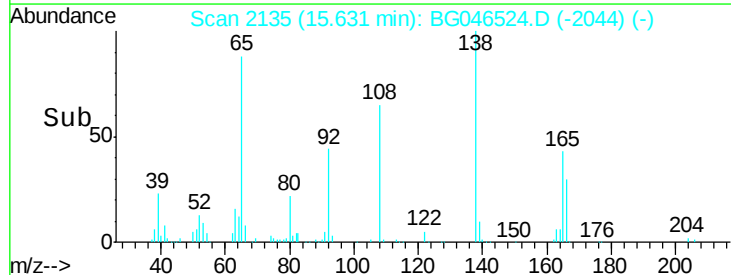
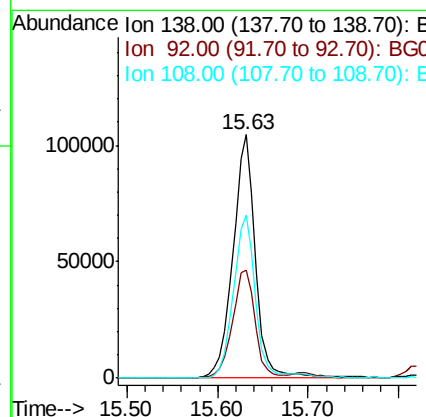
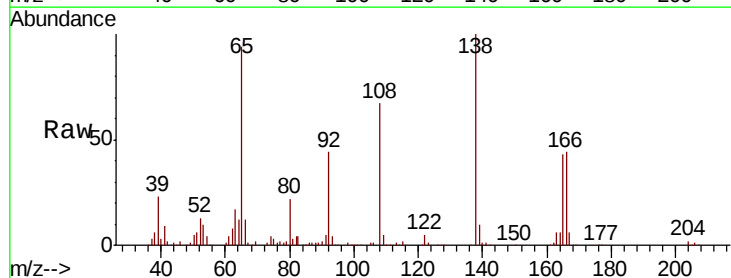
Manual Integrations
APPROVED

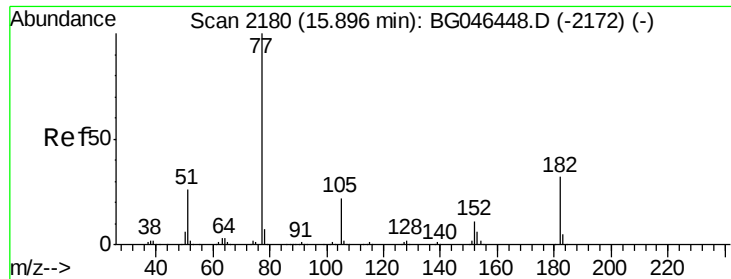
mohammad
9/4/2020 1:55:01 PM



#62
4-Nitroaniline
Concen: 41.846 ng
RT: 15.63 min Scan# 2135
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.2	25.3	65.3
108	67.1	46.7	86.7





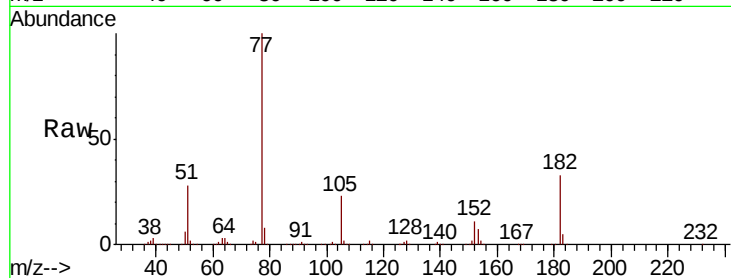
#63
Azobenzene
Concen: 48.497 ng
RT: 15.90 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

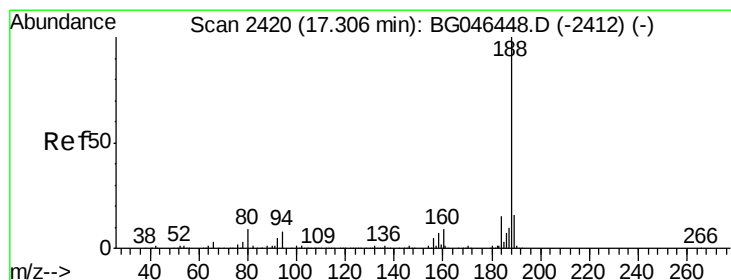
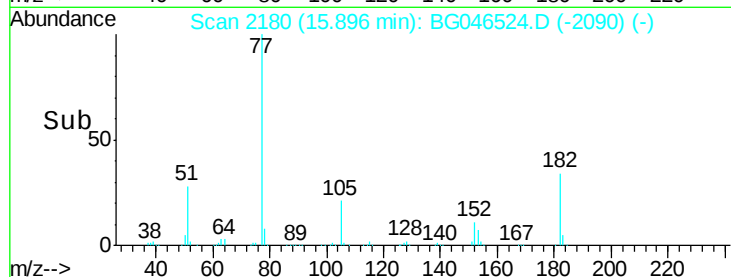
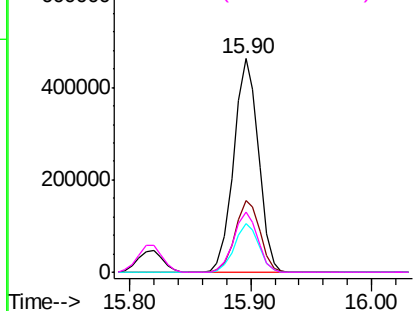
Tot Ion	Ratio	Lower	Upper
77	100		
182	33.5	12.3	52.3
105	22.9	2.3	42.3
51	28.2	6.5	46.5

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM

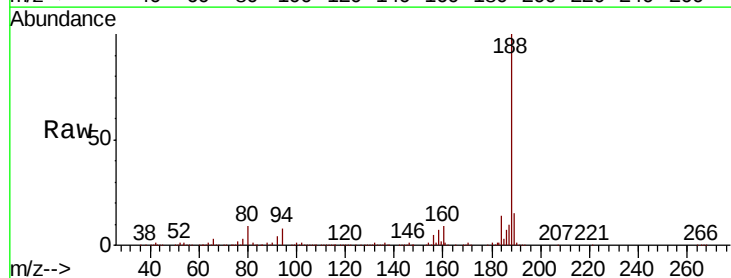


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

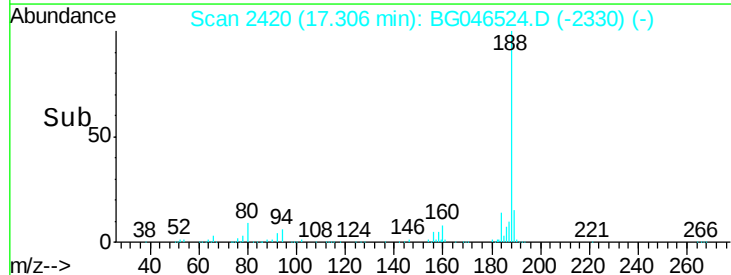
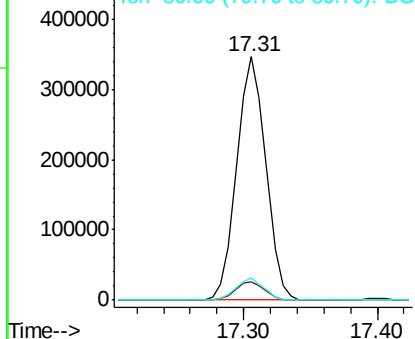


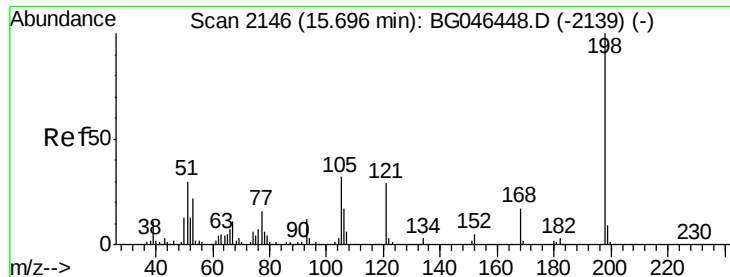
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.3	9.5
80	8.9	6.9	10.3



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: 59.808 ng

RT: 15.70 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

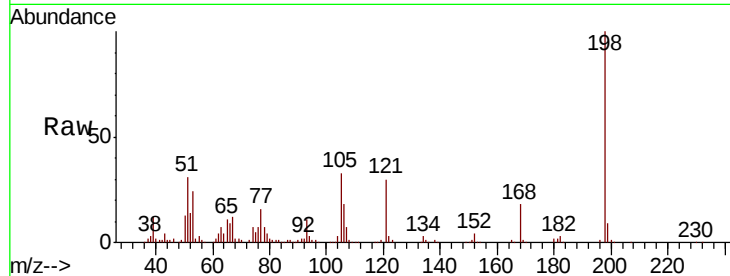
ClientSampleId :

TR-05-090220MSD

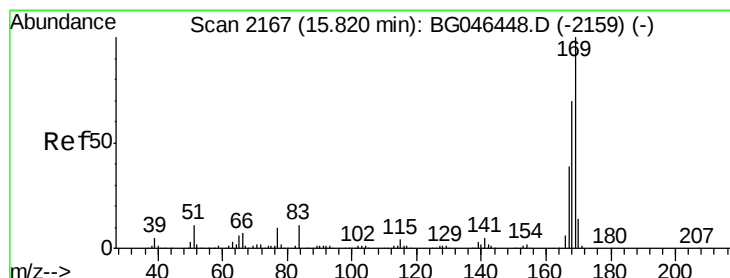
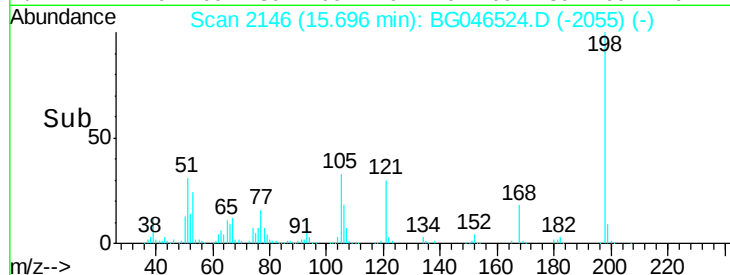
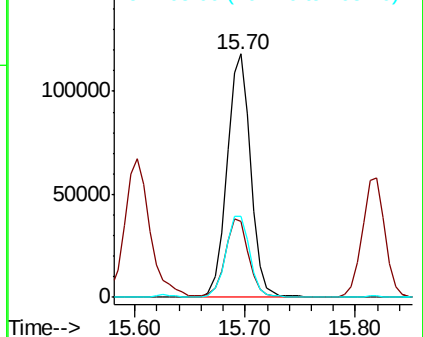
Tot Ion:	198	Resp:	176612
Ion Ratio	Lower	Upper	
198	100		
51	31.0	10.4	50.4
105	33.1	12.4	52.4

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.981 ng

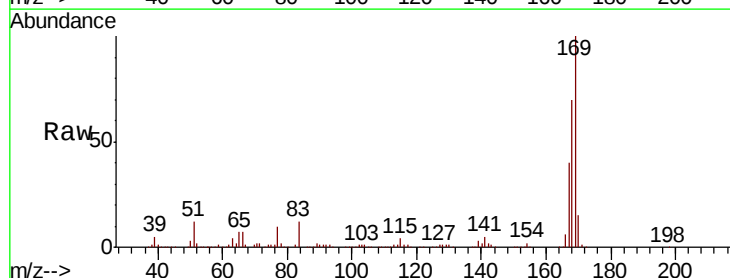
RT: 15.82 min Scan# 2167

Delta R.T. 0.01 min

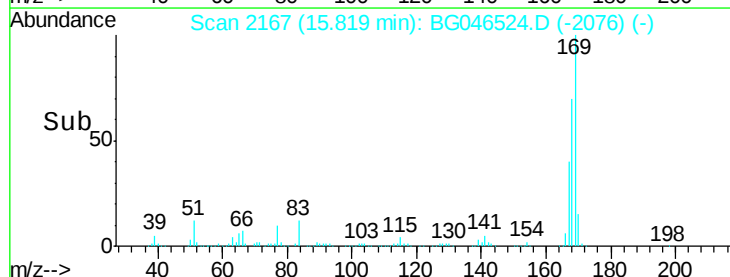
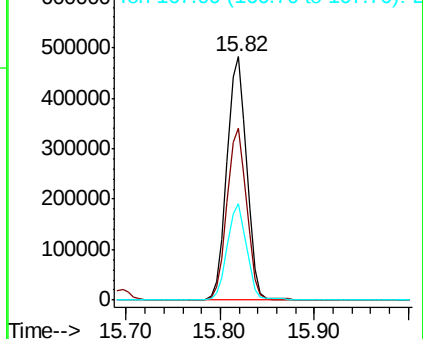
Lab File: BG046524.D

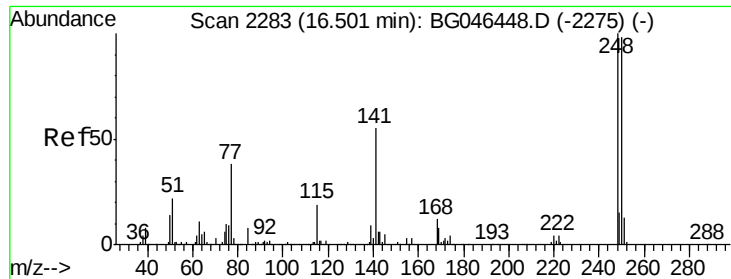
Acq: 3 Sep 2020 20:10

Tgt Ion:	169	Resp:	703475
Ion Ratio	Lower	Upper	
169	100		
168	70.5	55.8	83.8
167	39.8	31.0	46.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





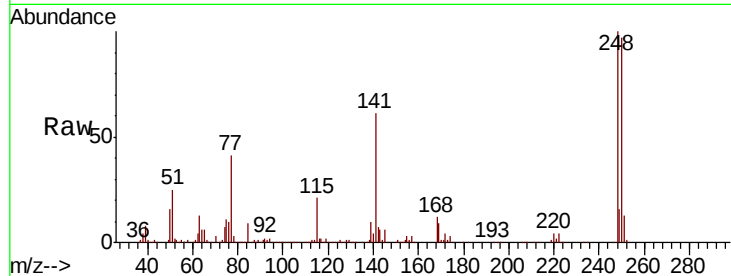
#67
4-Bromophenyl-phenylether
Concen: 48.540 ng
RT: 16.50 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.6	118.0
141	60.7	43.9	65.9

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM

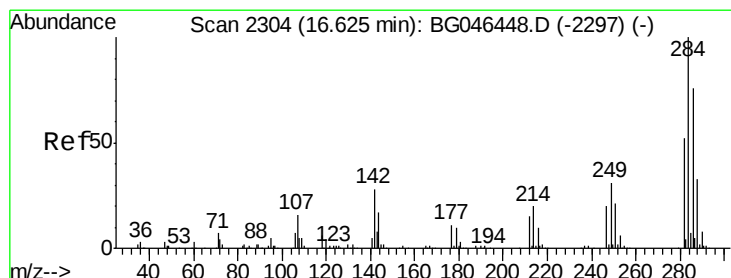
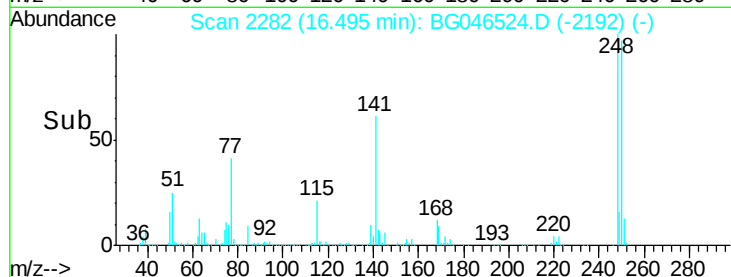
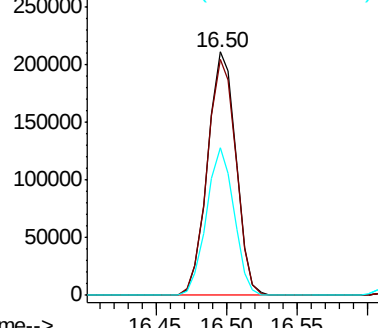


Abundance

Ion 248.00 (247.70 to 248.70): E

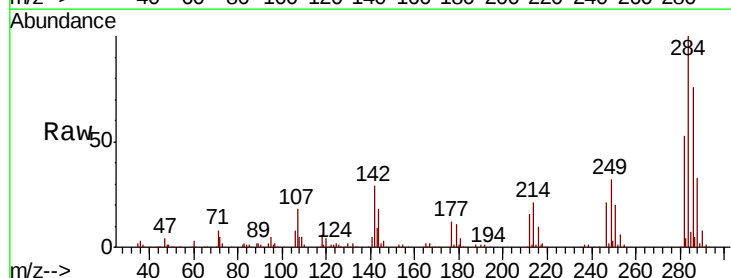
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 46.880 ng
RT: 16.62 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.3	22.3	33.5
249	32.4	24.8	37.2

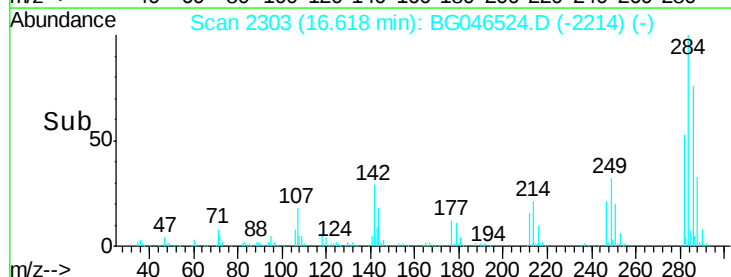
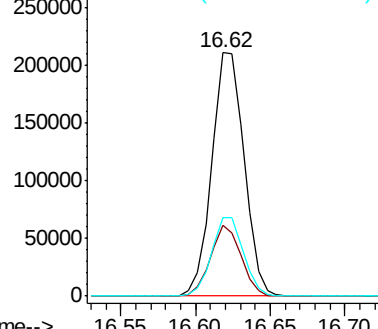


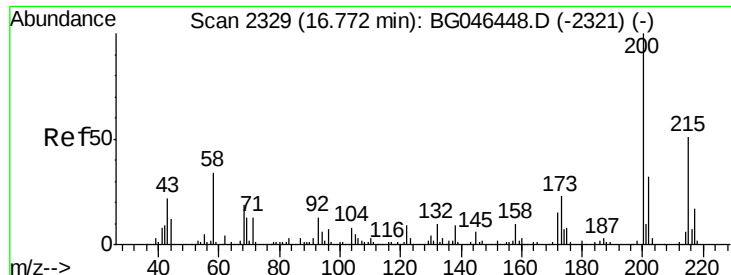
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





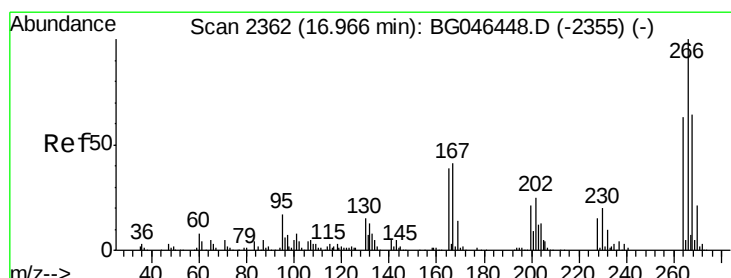
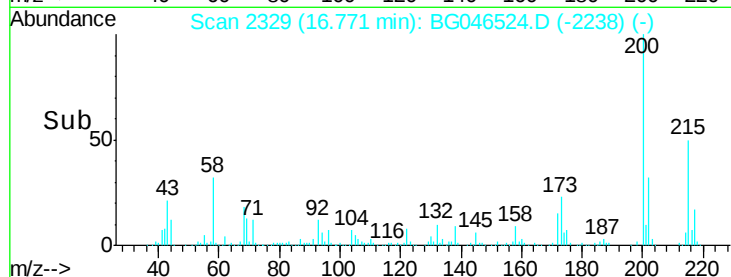
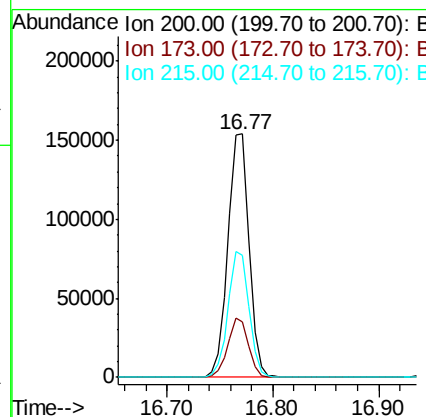
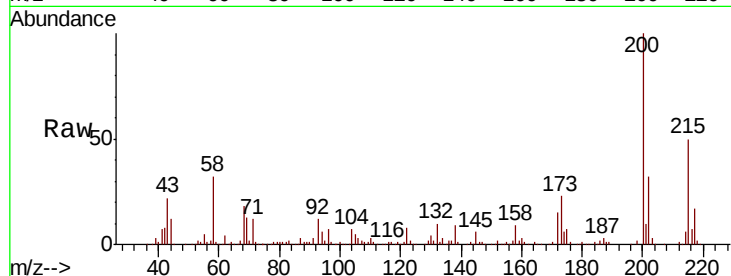
#69
Atrazine
Concen: 37.350 ng
RT: 16.77 min Scan# 2329
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	214463		
173	22.9	3.3	43.3	
215	50.2	30.9	70.9	

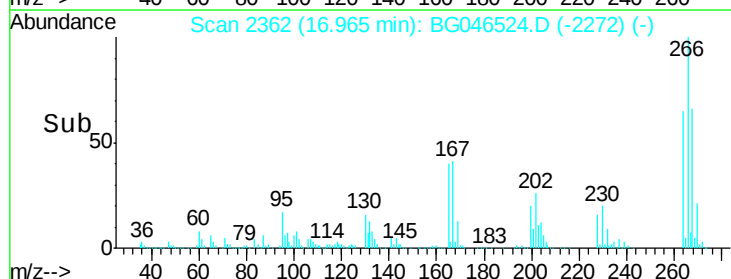
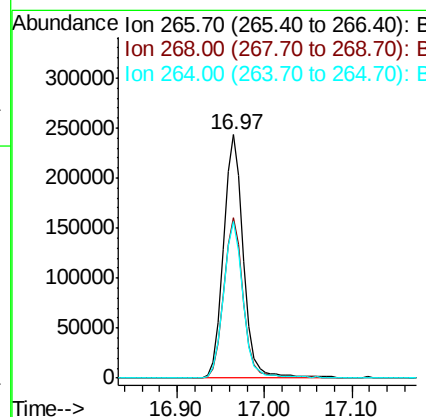
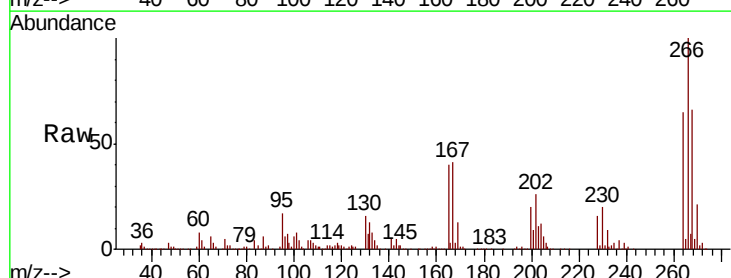
Manual Integrations
APPROVED

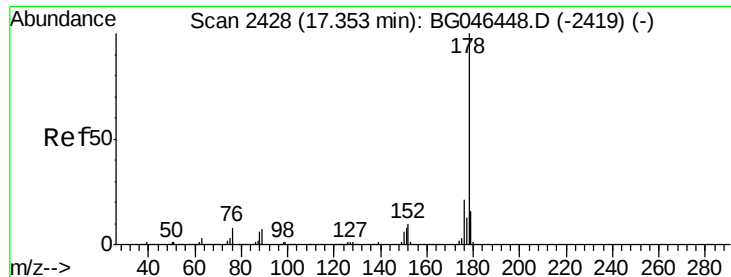
mohammad
9/4/2020 1:55:01 PM



#70
Pentachlorophenol
Concen: 109.036 ng
RT: 16.97 min Scan# 2362
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	384031		
268	65.7	51.1	76.7	
264	64.5	50.2	75.2	





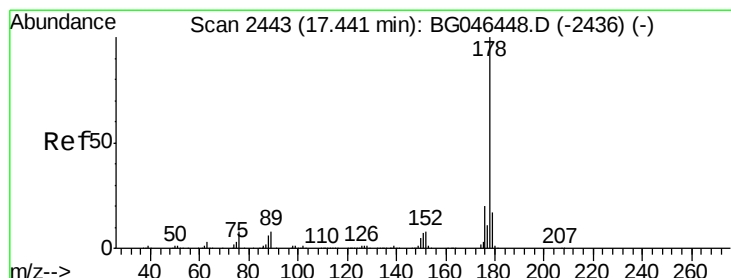
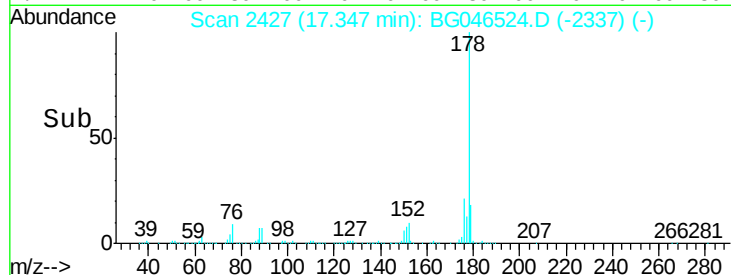
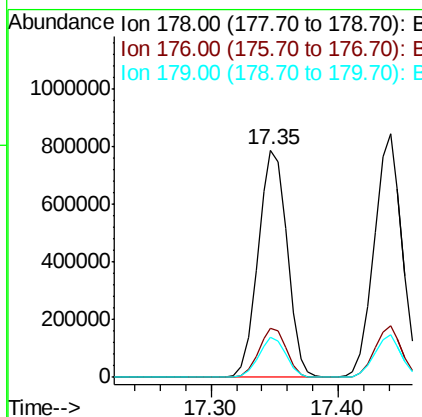
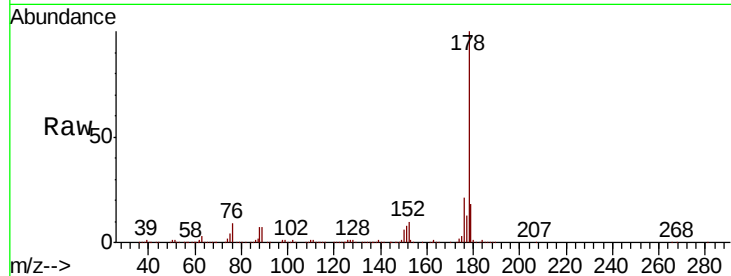
#71
Phenanthrene
Concen: 47.636 ng
RT: 17.35 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion:178 Resp: 1259710
Ion Ratio Lower Upper
178 100
176 21.4 16.8 25.2
179 17.7 13.2 19.8

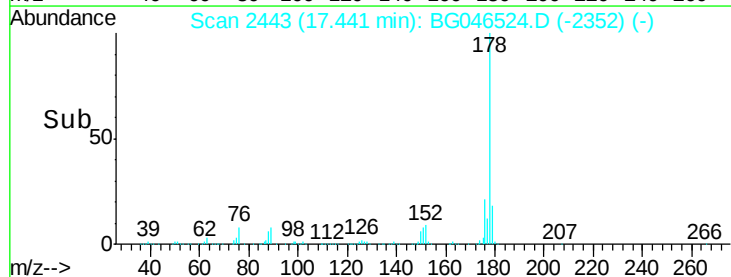
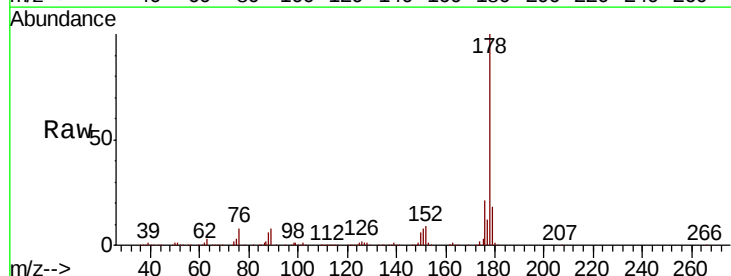
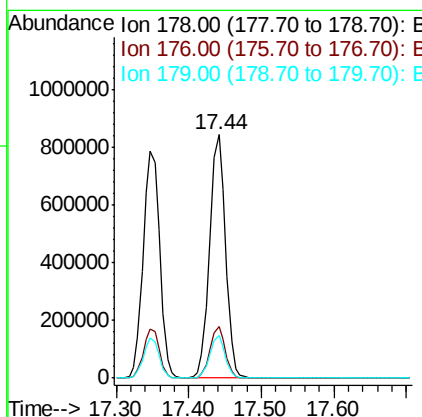
Manual Integrations
APPROVED

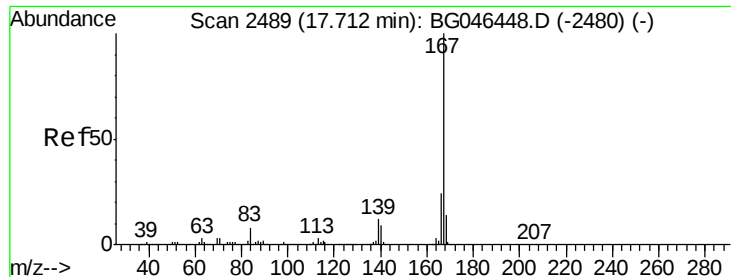
mohammad
9/4/2020 1:55:01 PM



#72
Anthracene
Concen: 49.483 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion:178 Resp: 1291054
Ion Ratio Lower Upper
178 100
176 20.9 16.1 24.1
179 17.6 13.3 19.9





#73

Carbazole

Concen: 48.061 ng

RT: 17.71 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

ClientSampleId :

TR-05-090220MSD

Tot Ion:167 Resp: 1183941

Ion Ratio Lower Upper

167 100

166 24.8 19.3 28.9

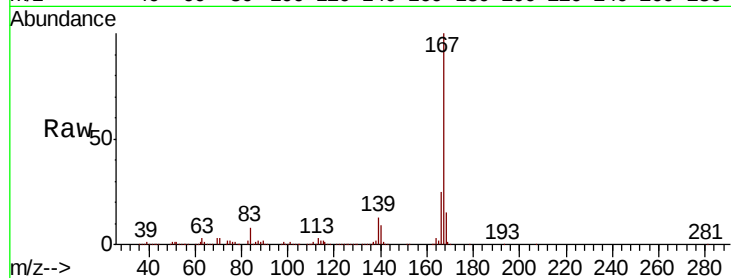
139 12.5 9.7 14.5

Manual Integrations

APPROVED

mohammad

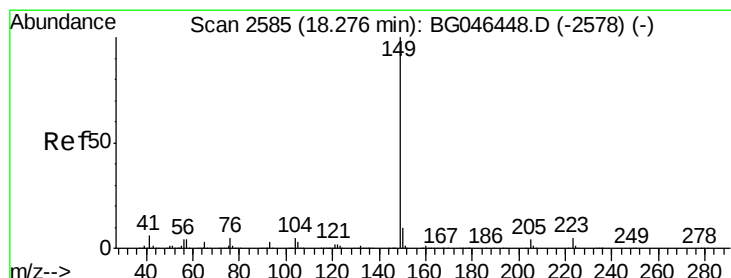
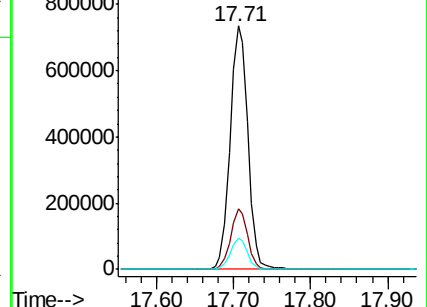
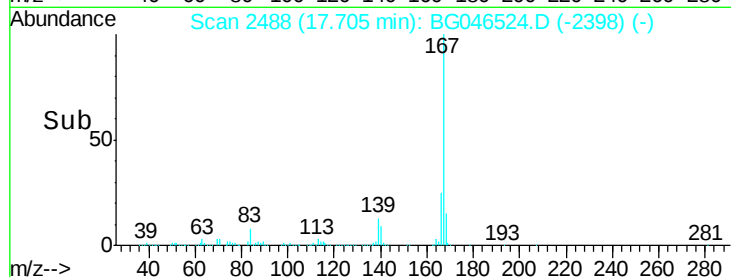
9/4/2020 1:55:01 PM



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



#74

Di-n-butylphthalate

Concen: 47.266 ng

RT: 18.27 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

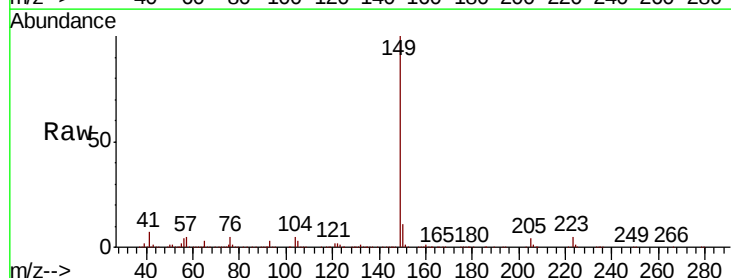
Tgt Ion:149 Resp: 1338894

Ion Ratio Lower Upper

149 100

150 10.6 8.1 12.1

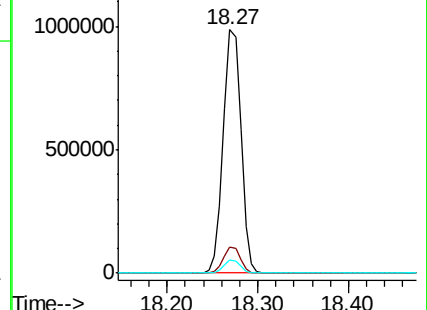
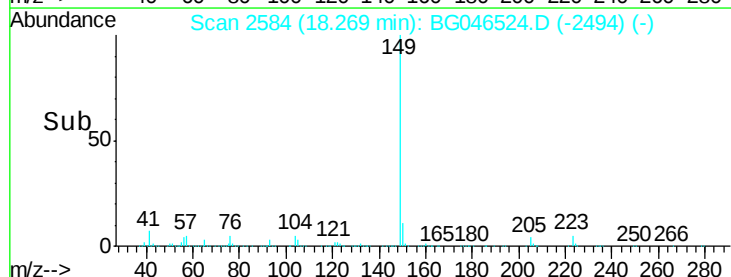
104 5.2 4.0 6.0

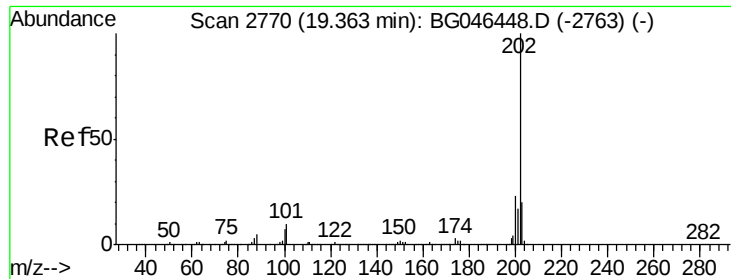


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 46.238 ng

RT: 19.36 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

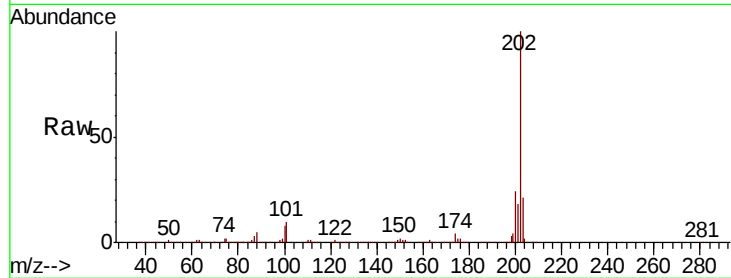
ClientSampleId :

TR-05-090220MSD

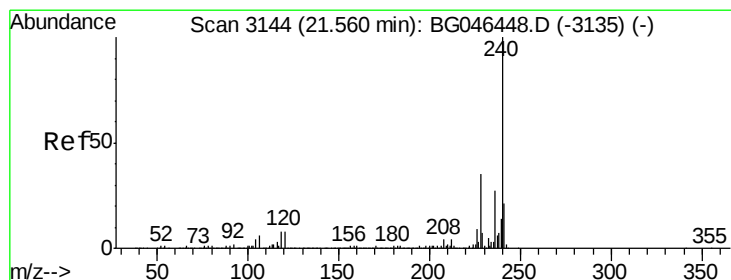
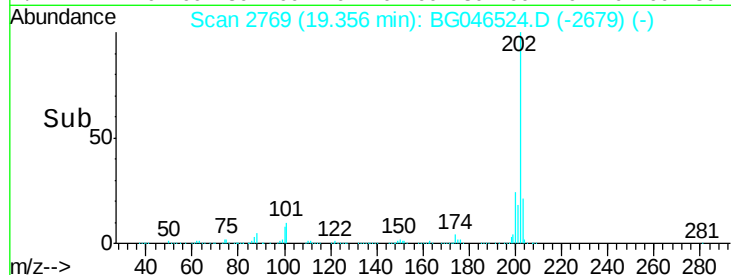
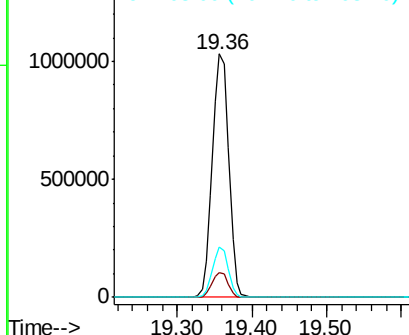
Tot Ion:	202	Resp:	1573529
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	29.9
203	20.8	0.0	40.0

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 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

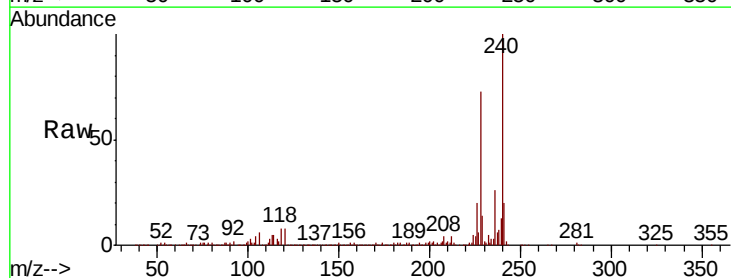
RT: 21.55 min Scan# 3143

Delta R.T. -0.00 min

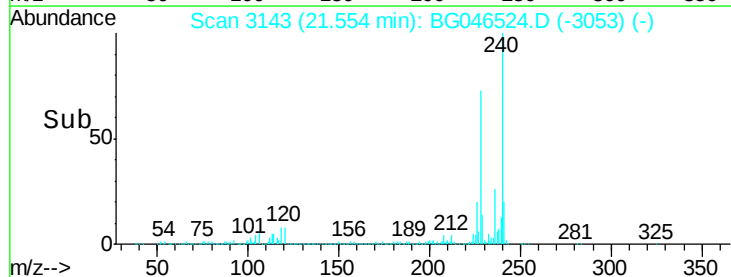
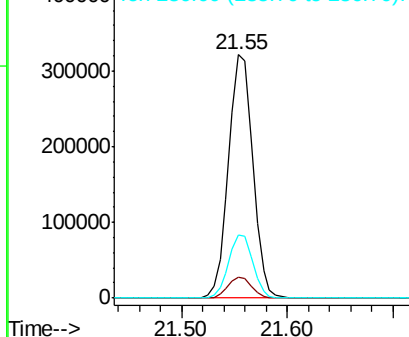
Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	240	Resp:	510841
Ion Ratio	Lower	Upper	
240	100		
120	8.4	6.6	10.0
236	26.1	21.4	32.2



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





#77

Benzidine

Concen: 9.704 ng

RT: 19.54 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

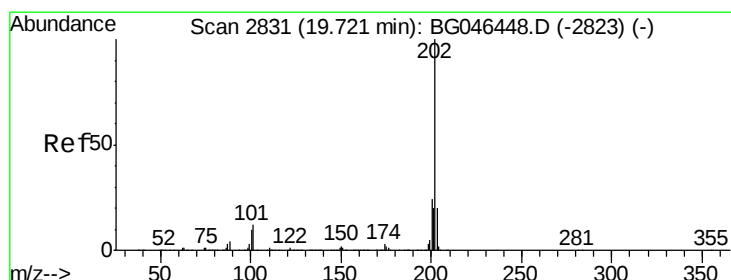
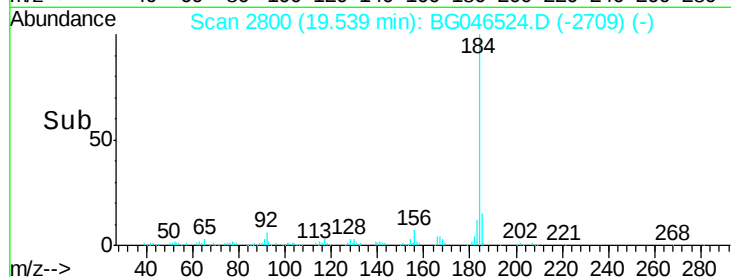
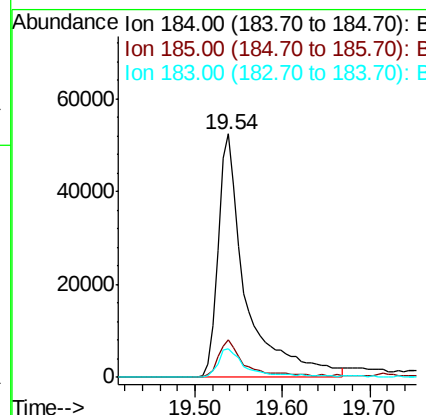
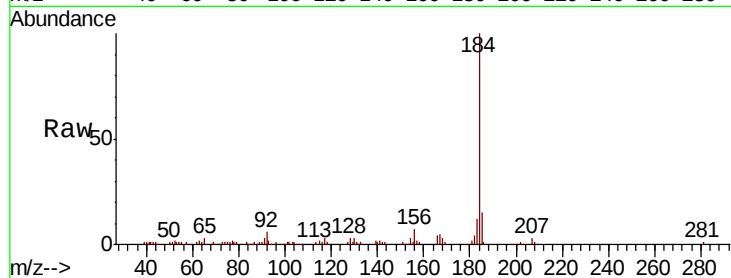
ClientSampleId :

TR-05-090220MSD

Tot Ion:	184	Resp:	115195
Ion Ratio	Lower	Upper	
184	100		
185	15.4	11.8	17.8
183	11.9	10.7	16.1

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#78

Pyrene

Concen: 48.289 ng

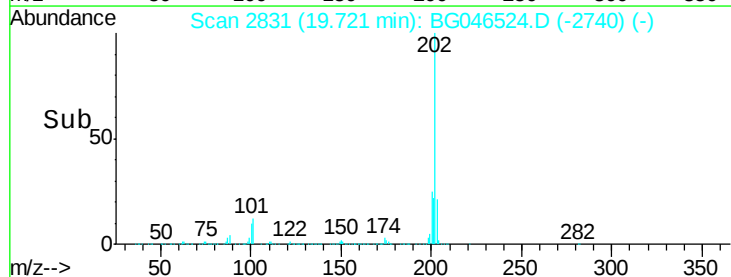
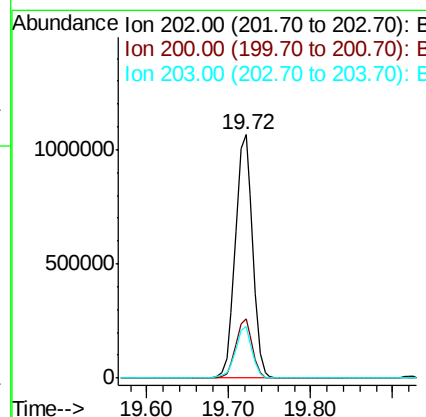
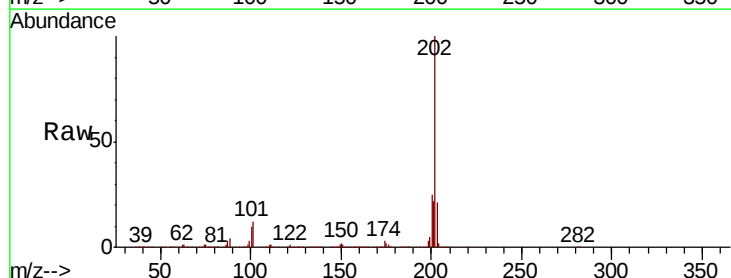
RT: 19.72 min Scan# 2831

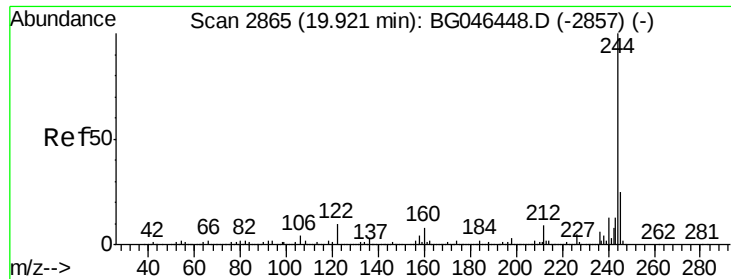
Delta R.T. 0.01 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Tgt Ion:	202	Resp:	1570821
Ion Ratio	Lower	Upper	
202	100		
200	24.6	18.9	28.3
203	21.0	16.1	24.1





#79

Terphenyl-d14

Concen: 79.154 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

ClientSampleId :

TR-05-090220MSD

Tot Ion:244 Resp: 1899982

Ion Ratio Lower Upper

244 100

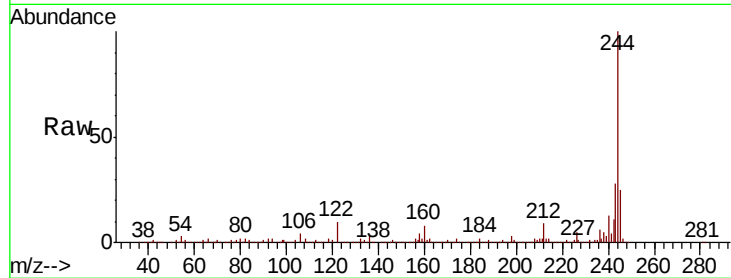
212 9.2 6.9 10.3

122 10.3 8.2 12.4

Manual Integrations
APPROVED

mohammad

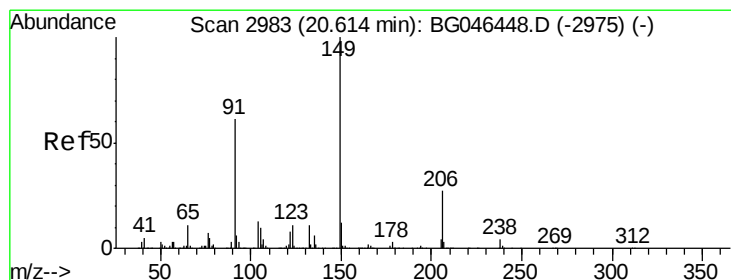
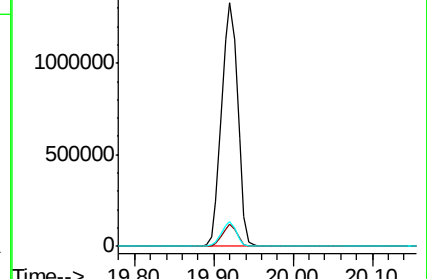
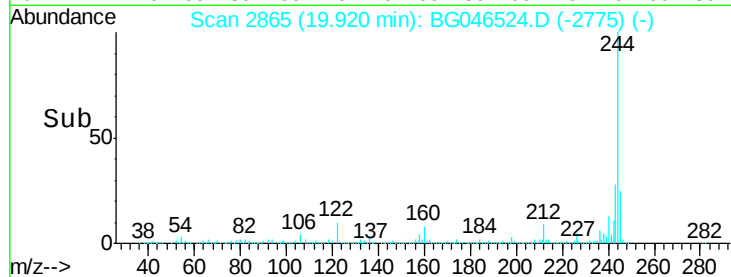
9/4/2020 1:55:01 PM



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: 48.826 ng

RT: 20.61 min Scan# 2982

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

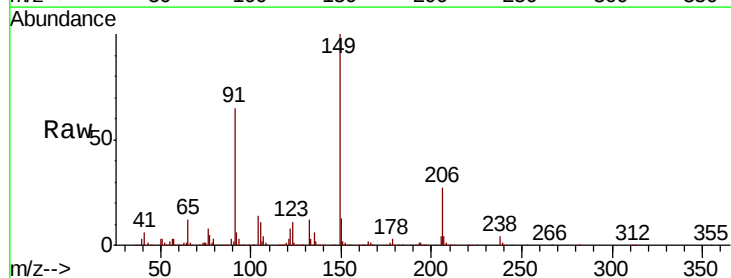
Tgt Ion:149 Resp: 619534

Ion Ratio Lower Upper

149 100

91 65.4 49.1 73.7

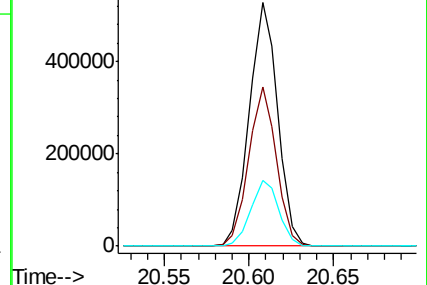
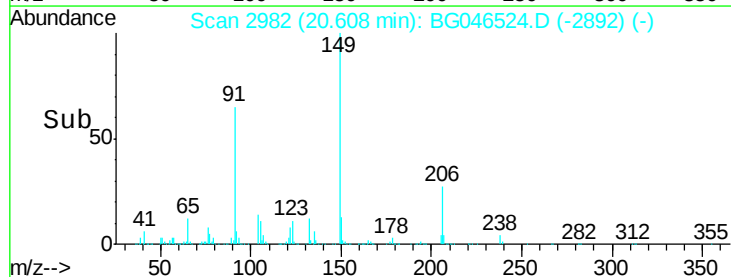
206 26.8 21.9 32.9

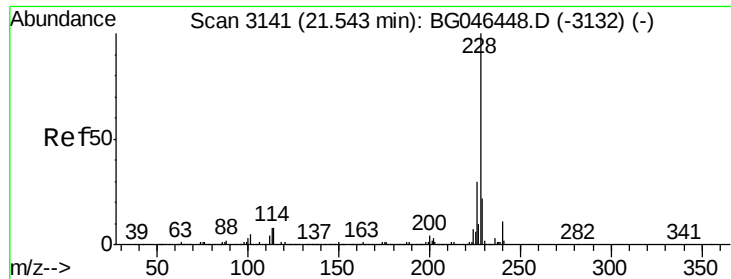


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





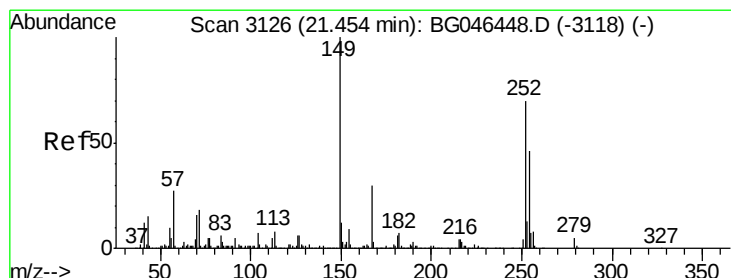
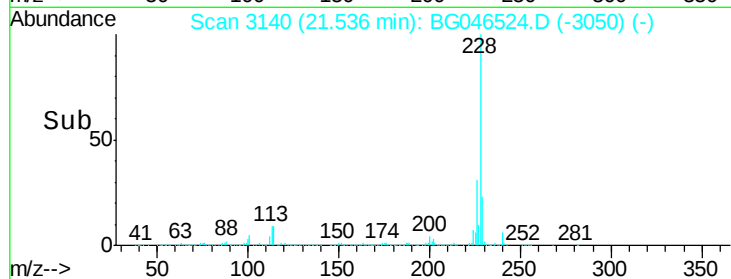
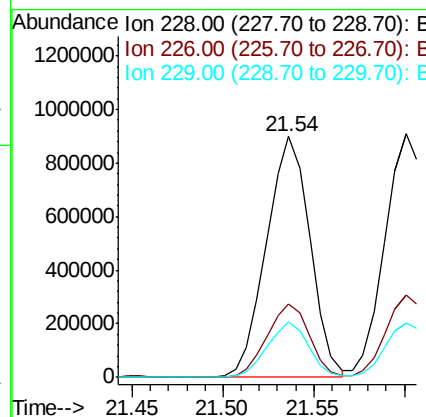
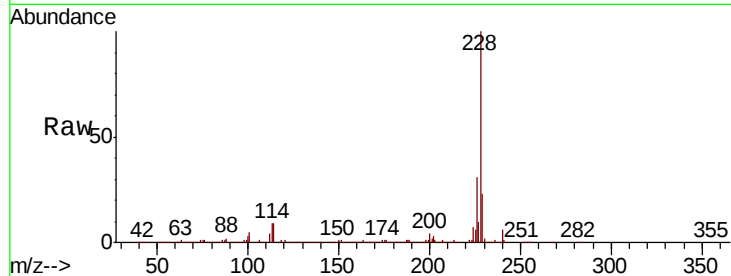
#81
Benzo(a)anthracene
Concen: 47.297 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	23.0	17.4	26.2

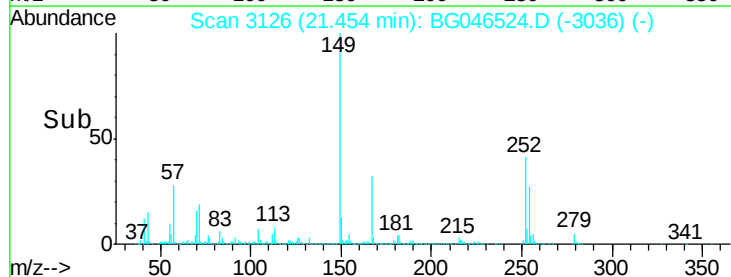
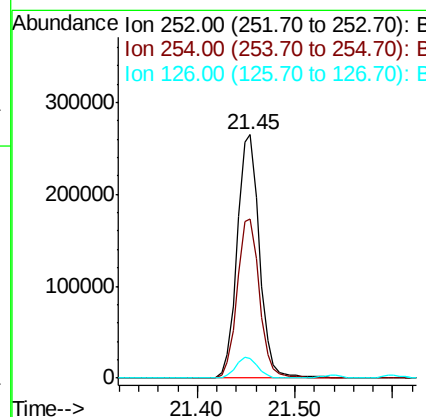
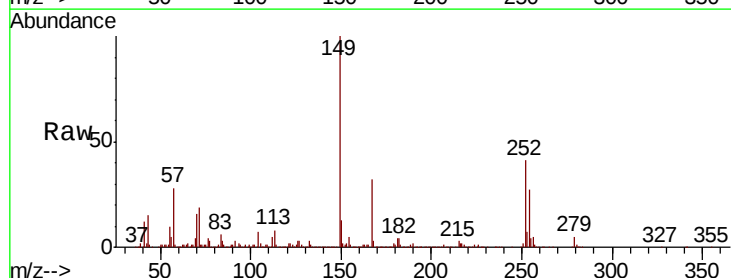
Manual Integrations
APPROVED

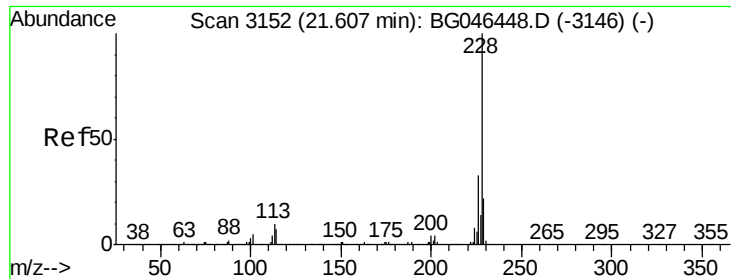
mohammad
9/4/2020 1:55:01 PM



#82
3,3'-Dichlorobenzidine
Concen: 35.542 ng
RT: 21.45 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.9	77.9
126	8.1	7.4	11.0





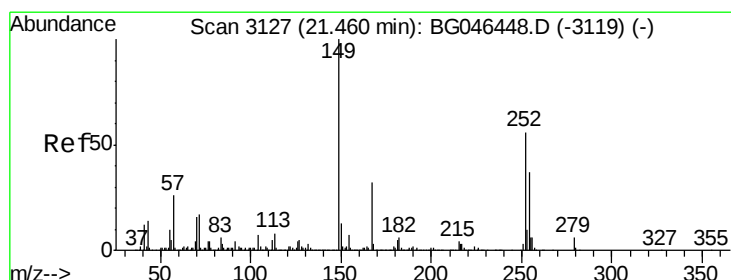
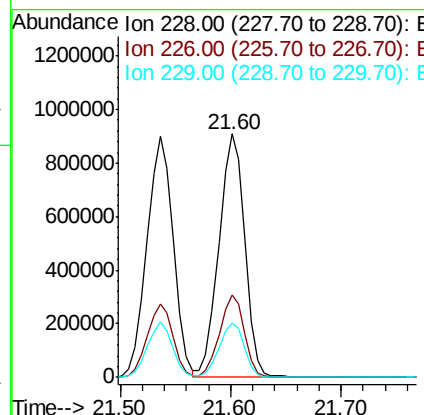
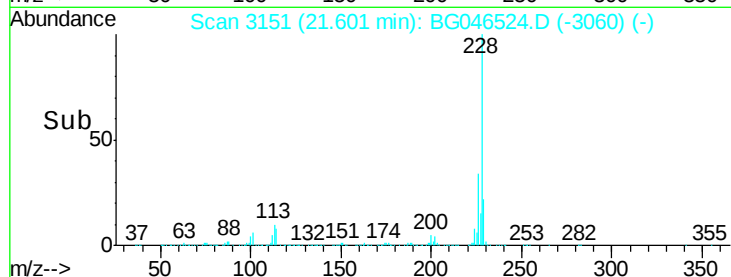
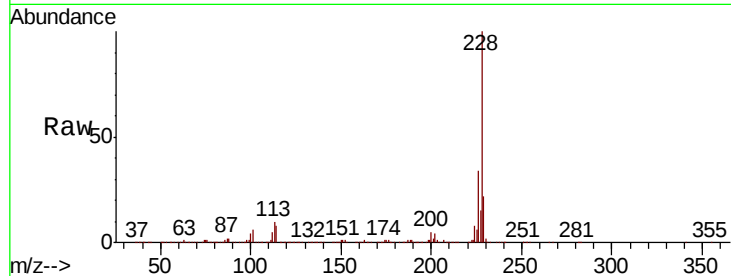
#83
Chrysene
Concen: 47.933 ng
RT: 21.60 min Scan# 3151
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion: 228 Resp: 1468096
Ion Ratio Lower Upper
228 100
226 34.0 26.2 39.4
229 22.4 17.9 26.9

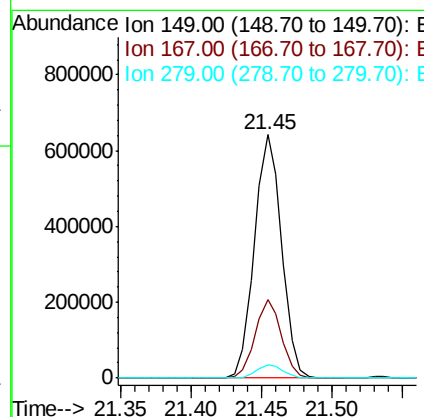
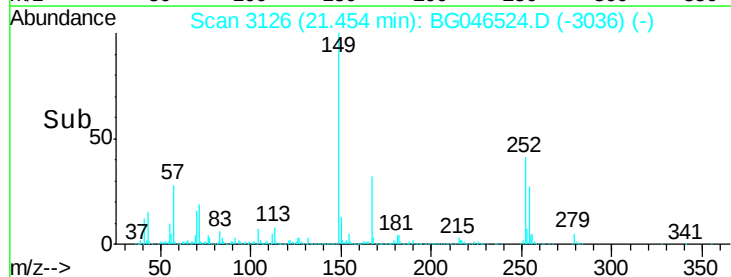
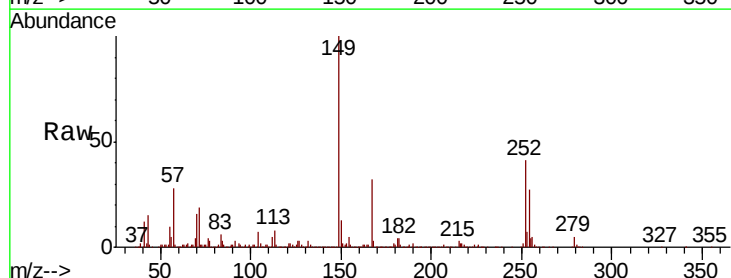
Manual Integrations
APPROVED

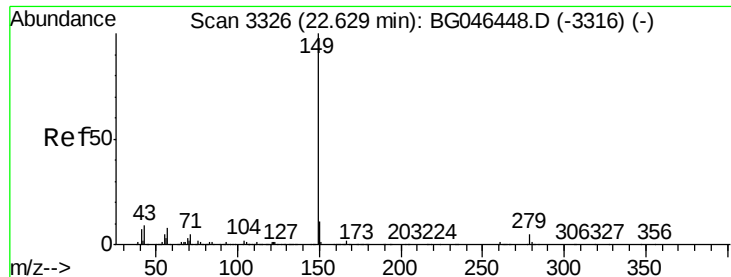
mohammad
9/4/2020 1:55:01 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.059 ng
RT: 21.45 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion: 149 Resp: 866806
Ion Ratio Lower Upper
149 100
167 32.2 25.4 38.2
279 5.4 4.5 6.7





#85

Di-n-octyl phthalate

Concen: 51.646 ng

RT: 22.62 min Scan# 3325

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

Instrument :

BNA_G

ClientSampleId :

TR-05-090220MSD

Tot Ion:149 Resp: 1531263

Ion Ratio Lower Upper

149 100

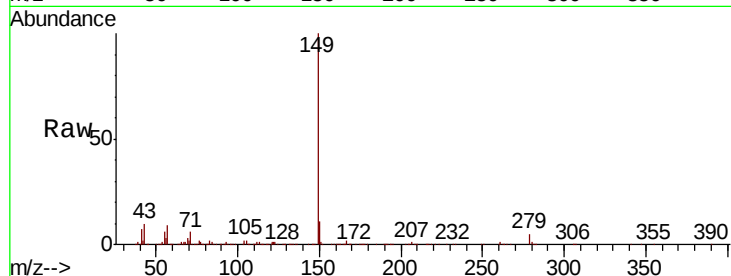
167 1.8 1.5 2.3

43 9.0 7.0 10.4

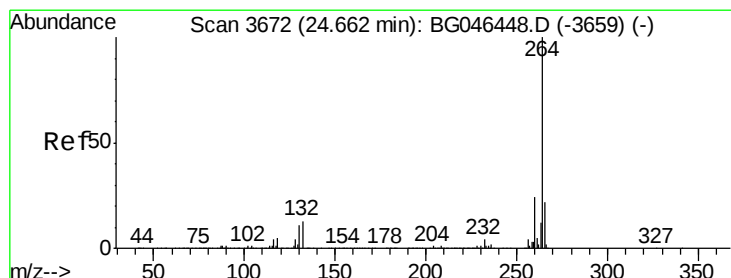
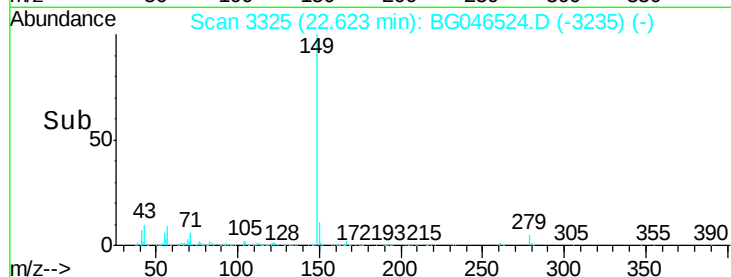
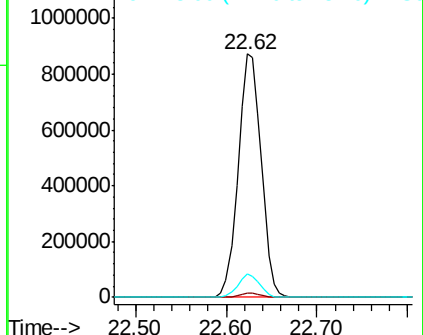
Manual Integrations
APPROVED

mohammad

9/4/2020 1:55:01 PM



Abundance Ion 149.00 (148.70 to 149.70): E
1200000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.66 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BG046524.D

Acq: 3 Sep 2020 20:10

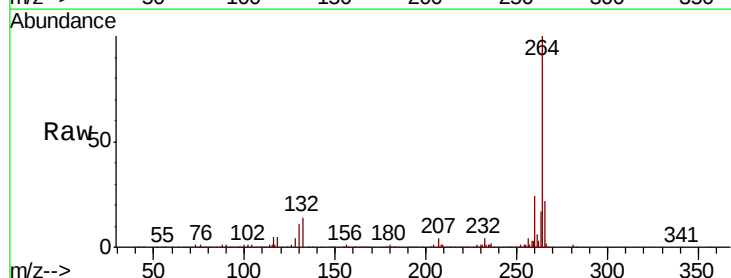
Tgt Ion:264 Resp: 532396

Ion Ratio Lower Upper

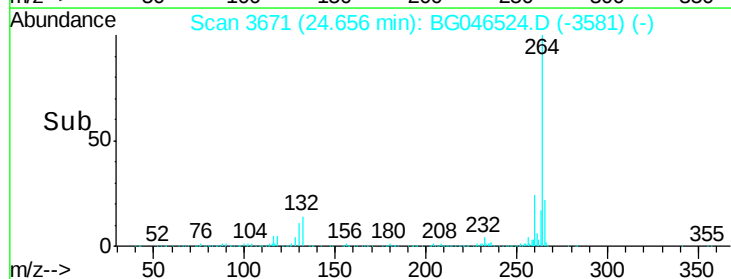
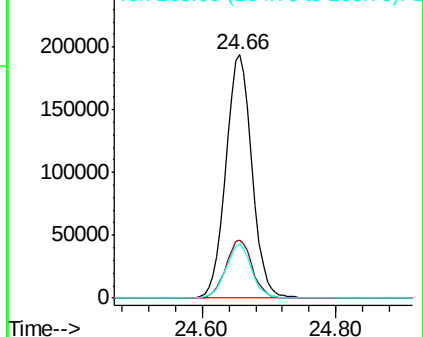
264 100

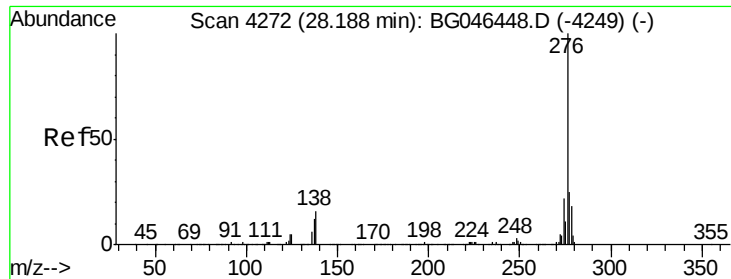
260 23.9 19.2 28.8

265 22.2 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
250000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





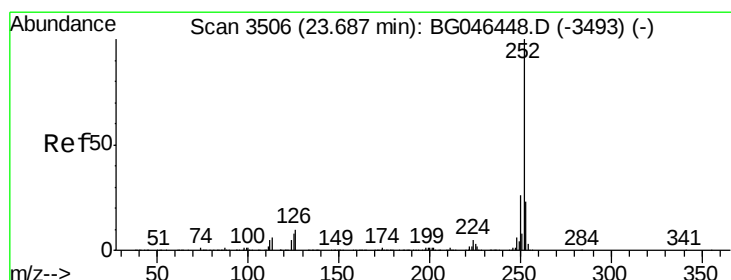
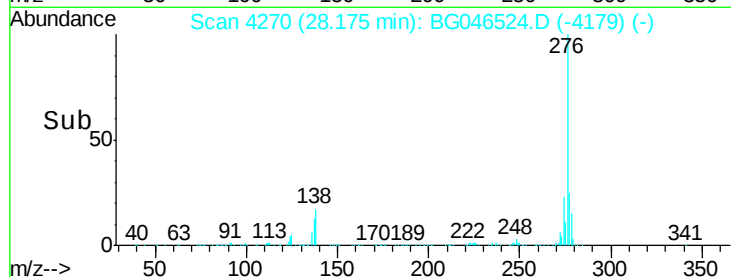
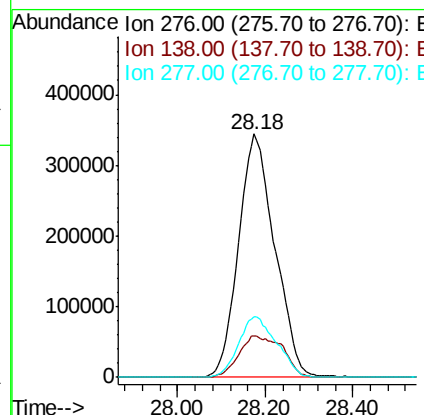
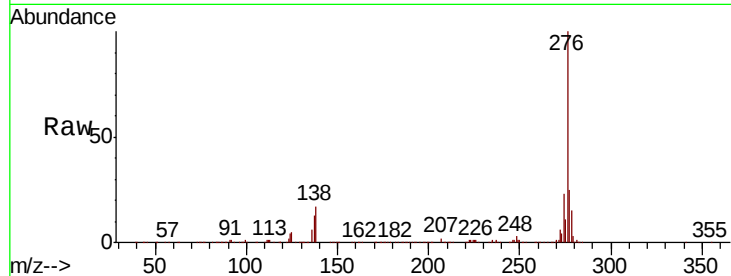
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.535 ng
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.5	24.7
277	26.2	20.7	31.1

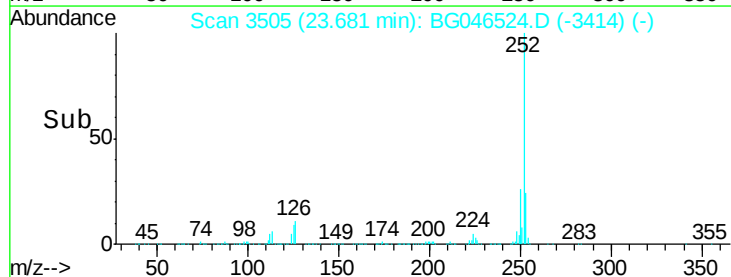
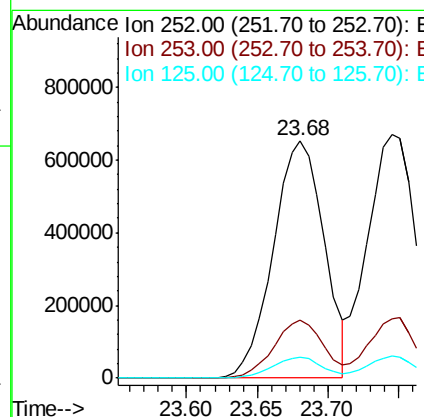
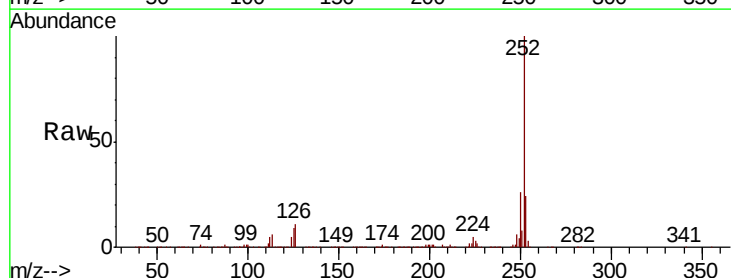
Manual Integrations
 APPROVED

mohammad
 9/4/2020 1:55:01 PM



#88
 Benzo(b)fluoranthene
 Concen: 49.295 ng
 RT: 23.68 min Scan# 3505
 Delta R.T. 0.01 min
 Lab File: BG046524.D
 Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	8.9	6.2	9.2





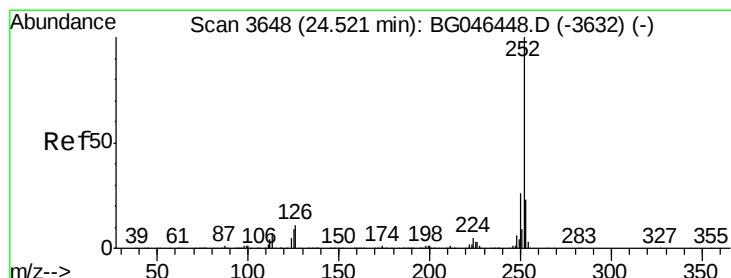
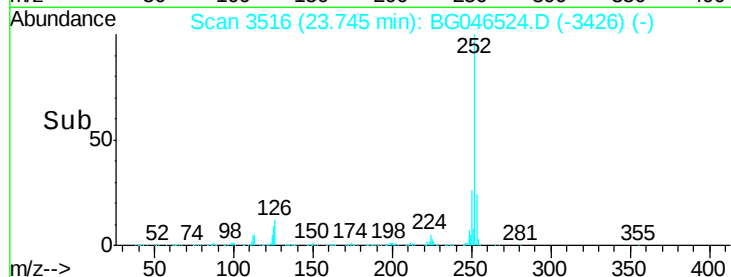
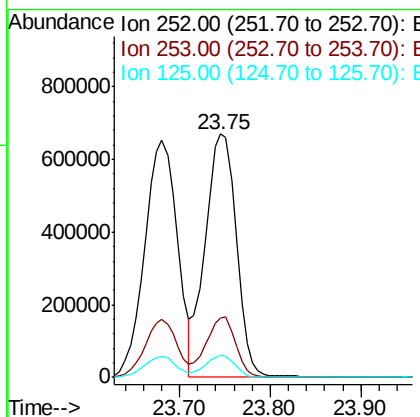
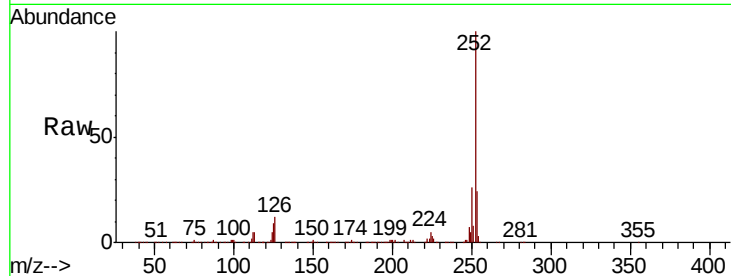
#89
Benzo(k)fluoranthene
Concen: 49.718 ng
RT: 23.75 min Scan# 3516
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	9.3	6.8	10.2

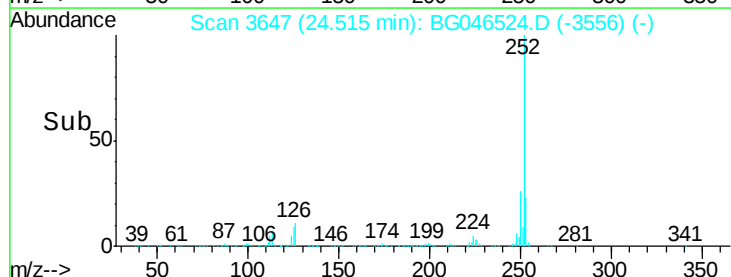
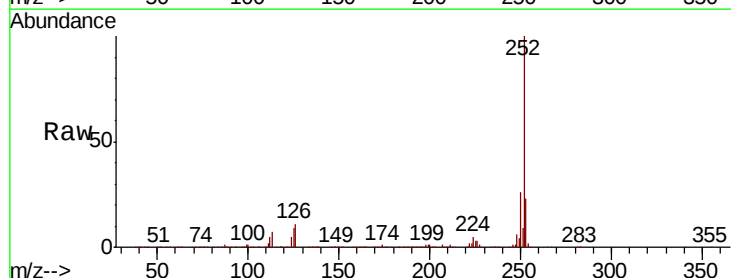
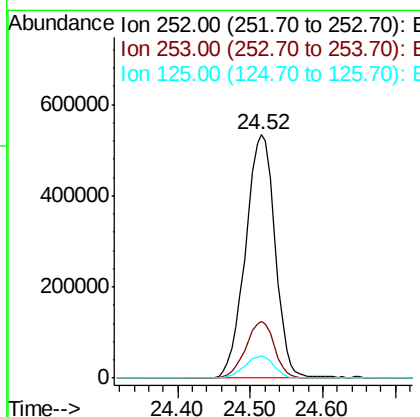
Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#90
Benzo(a)pyrene
Concen: 48.501 ng
RT: 24.52 min Scan# 3647
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	9.3	7.4	11.0





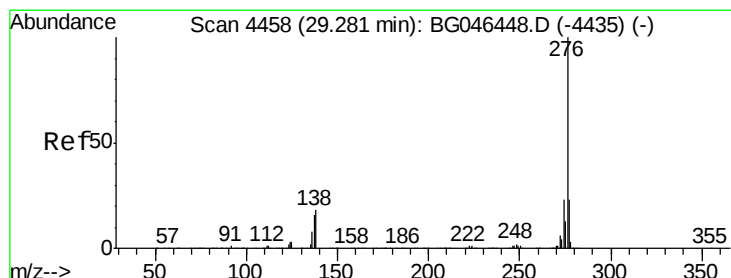
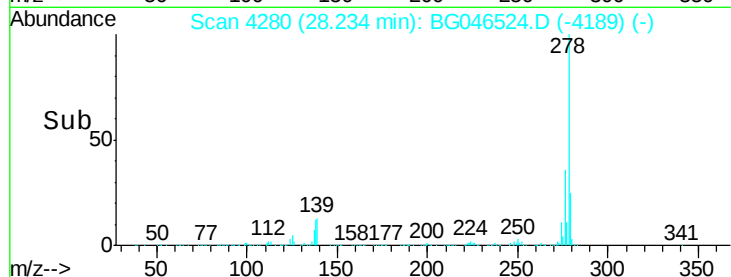
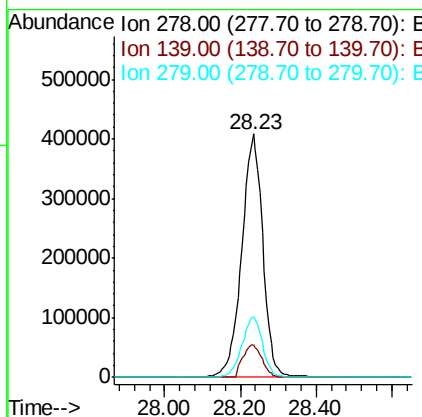
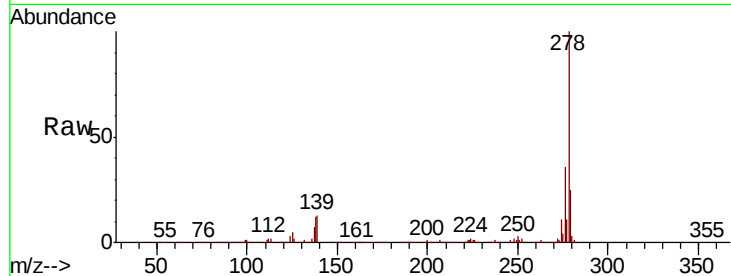
#91
Dibenzo(a,h)anthracene
Concen: 51.300 ng
RT: 28.23 min Scan# 4280
Delta R.T. 0.01 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Instrument :
BNA_G
ClientSampleId :
TR-05-090220MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.2	11.2	16.8
279	25.0	19.8	29.8

Manual Integrations
APPROVED

mohammad
9/4/2020 1:55:01 PM



#92
Benzo(g,h,i)perylene
Concen: 52.294 ng
RT: 29.27 min Scan# 4457
Delta R.T. -0.00 min
Lab File: BG046524.D
Acq: 3 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	18.1	14.7	22.1

