

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043718.D
 Acq On : 20 Nov 2019 5:20
 Operator : JU
 Sample : K5670-08MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:04:19 AM

Quant Time: Nov 20 06:00:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	30442	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	120792	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	87876	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	214387	20.00	ng	0.00
76) Chrysene-d12	21.63	240	226794	20.00	ng	0.00
87) Perylene-d12	24.80	264	249954	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	251904	151.63	ng	0.00
7) Phenol-d6	7.19	99	344906	144.30	ng	0.00
23) Nitrobenzene-d5	9.15	82	209956	89.61	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	220882	132.08	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	554769	87.23	ng	0.00
79) Terphenyl-d14	19.98	244	1169722	96.76	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.46	88	22710	35.080	ng	# 42
3) Pyridine	3.87	79	59563	36.473	ng	99
4) n-Nitrosodimethylamine	3.77	42	43106	52.310	ng	# 92
6) Aniline	7.32	93	48558	17.636	ng	94
8) 2-Chlorophenol	7.57	128	93613	51.047	ng	98
9) Benzaldehyde	7.14	77	15439	13.144	ng	89
10) Phenol	7.21	94	135095	61.853	ng	96
11) bis(2-Chloroethyl)ether	7.41	93	72509	42.939	ng	90
12) 1,3-Dichlorobenzene	7.88	146	84212	36.651	ng	95
13) 1,4-Dichlorobenzene	8.02	146	87658	37.708	ng	96
14) 1,2-Dichlorobenzene	8.34	146	87255	38.442	ng	94
15) Benzyl Alcohol	8.24	79	82369	49.069	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.52	45	106678	43.446	ng	98
17) 2-Methylphenol	8.46	107	80475	50.542	ng	95
18) Hexachloroethane	9.07	117	30137	35.932	ng	99
19) n-Nitroso-di-n-propylamine	8.79	70	71612	46.366	ng	98
20) 3+4-Methylphenols	8.79	107	108391	49.644	ng	96
22) Acetophenone	8.81	105	138589	44.802	ng	# 97
24) Nitrobenzene	9.20	77	106426	47.683	ng	96
25) Isophorone	9.72	82	205786	48.040	ng	98
26) 2-Nitrophenol	9.91	139	55938	51.912	ng	94
27) 2,4-Dimethylphenol	9.98	122	88280	57.160	ng	99
28) bis(2-Chloroethoxy)methane	10.20	93	108194	45.763	ng	96
29) 2,4-Dichlorophenol	10.46	162	103814	52.462	ng	94
30) 1,2,4-Trichlorobenzene	10.66	180	105432	42.273	ng	98
31) Naphthalene	10.84	128	279144	45.527	ng	98
32) Benzoic acid	10.17	122	52654	45.281	ng	90
33) 4-Chloroaniline	10.98	127	8828	3.512	ng	# 92
34) Hexachlorobutadiene	11.13	225	71538	38.802	ng	98
35) Caprolactam	11.75	113	32786m	48.107	ng	
36) 4-Chloro-3-methylphenol	12.11	107	112178	51.970	ng	98
37) 2-Methylnaphthalene	12.45	142	217114	46.151	ng	100
38) 1-Methylnaphthalene	12.67	142	207282	46.308	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	142604	43.849	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043718.D
 Acq On : 20 Nov 2019 5:20
 Operator : JU
 Sample : K5670-08MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:04:19 AM

Quant Time: Nov 20 06:00:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.79	237	118162	69.166	nq	99
43) 2,4,6-Trichlorophenol	13.07	196	96992	50.643	nq	94
44) 2,4,5-Trichlorophenol	13.16	196	103509	53.458	nq	97
46) 1,1'-Biphenyl	13.45	154	301646	45.122	nq	98
47) 2-Chloronaphthalene	13.50	162	231300	45.473	nq	97
48) 2-Nitroaniline	13.71	65	73106	48.088	nq	99
49) Acenaphthylene	14.35	152	383790	48.480	nq	99
50) Dimethylphthalate	14.08	163	375960	55.235	nq	99
51) 2,6-Dinitrotoluene	14.20	165	72362	48.936	nq	95
52) Acenaphthene	14.69	154	228549	47.341	nq	100
53) 3-Nitroaniline	14.54	138	33398	23.393	nq	# 98
54) 2,4-Dinitrophenol	14.75	184	83929	89.901	nq	95
55) Dibenzofuran	15.02	168	375415	47.952	nq	98
56) 4-Nitrophenol	14.88	139	99464	103.962	nq	# 84
57) 2,4-Dinitrotoluene	14.99	165	102573	48.538	nq	96
58) Fluorene	15.67	166	317193	48.307	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.26	232	100971	49.082	nq	# 99
60) Diethylphthalate	15.44	149	321335	46.984	nq	98
61) 4-Chlorophenyl-phenylether	15.66	204	183195	47.824	nq	97
62) 4-Nitroaniline	15.71	138	65493	44.419	nq	99
63) Azobenzene	15.96	77	269608	48.709	nq	97
65) 4,6-Dinitro-2-methylphenol	15.76	198	66331	52.574	nq	97
66) n-Nitrosodiphenylamine	15.88	169	283223	46.793	nq	97
67) 4-Bromophenyl-phenylether	16.56	248	129942	45.038	nq	97
68) Hexachlorobenzene	16.68	284	145185	43.839	nq	98
69) Atrazine	16.83	200	123346	58.647	nq	97
70) Pentachlorophenol	17.03	266	149691	99.194	nq	98
71) Phenanthrene	17.41	178	507876	46.262	nq	98
72) Anthracene	17.50	178	524275	47.731	nq	100
73) Carbazole	17.78	167	466289	46.879	nq	98
74) Di-n-butylphthalate	18.32	149	558968	46.314	nq	99
75) Fluoranthene	19.42	202	682372	47.678	nq	99
77) Benzidine	19.61	184	30671	6.720	nq	# 93
78) Pyrene	19.78	202	678302	48.318	nq	100
80) Butylbenzylphthalate	20.66	149	256540	48.235	nq	98
81) Benzo(a)anthracene	21.61	228	693297	48.802	nq	98
82) 3,3'-Dichlorobenzidine	21.53	252	146254	26.617	nq	94
83) Chrysene	21.68	228	680715	48.227	nq	98
84) Bis(2-ethylhexyl)phthalate	21.51	149	374335	49.548	nq	98
85) Di-n-octyl phthalate	22.70	149	648025	50.557	nq	98
86) Indeno(1,2,3-cd)pyrene	28.45	276	886486	50.034	nq	100
88) Benzo(b)fluoranthene	23.81	252	726051	51.287	nq	99
89) Benzo(k)fluoranthene	23.88	252	756547	53.085	nq	99
90) Benzo(a)pyrene	24.66	252	669757	49.544	nq	99
91) Dibenzo(a,h)anthracene	28.49	278	755515	54.639	nq	100
92) Benzo(g,h,i)perylene	29.57	276	749259	54.933	nq	97

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



#1

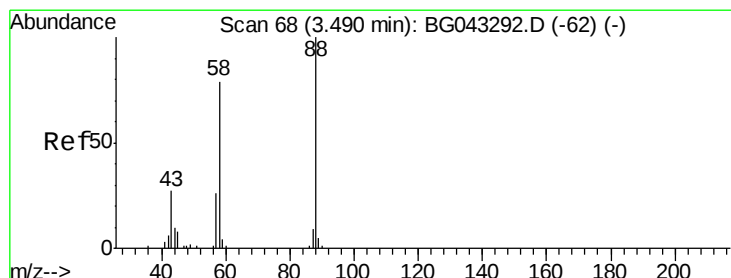
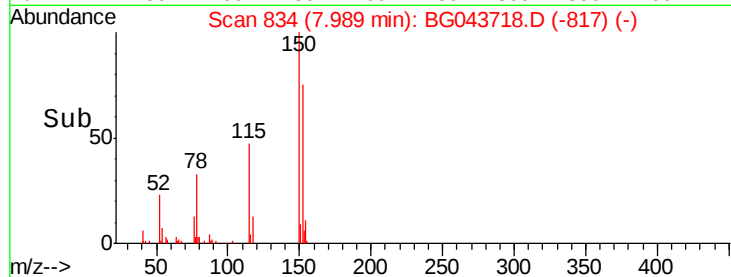
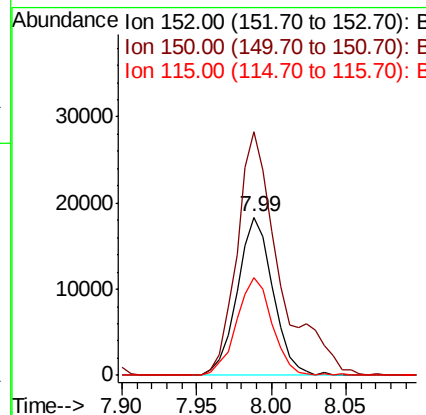
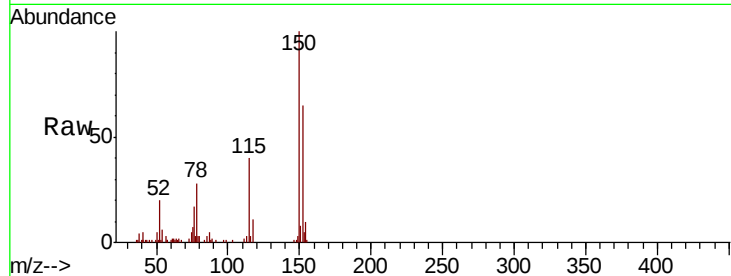
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	116.6	175.0
115	61.9	40.5	60.7

Manual Integrations
APPROVED

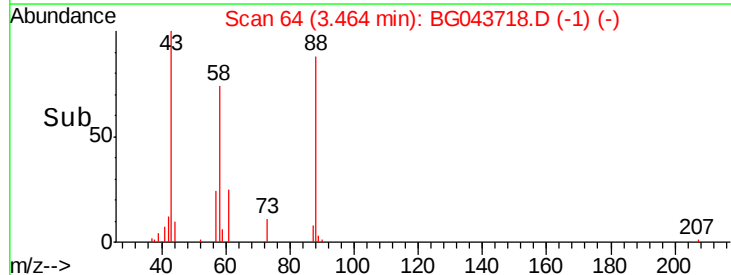
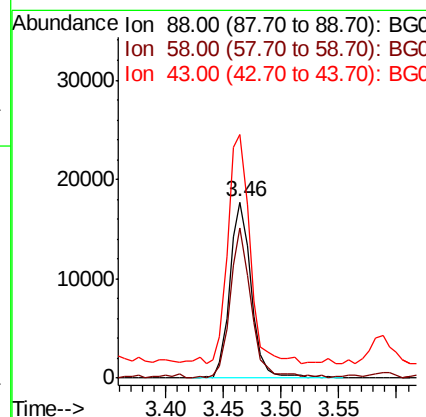
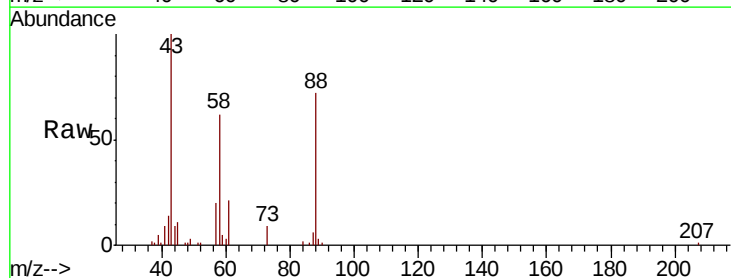
mohammad
11/21/2019 9:04:19 AM



#2

1,4-Dioxane
Concen: 35.080 ng
RT: 3.46 min Scan# 64
Delta R.T. 0.02 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.1	62.2	93.4
43	133.3	30.1	45.1





#3

Pvridine

Concen: 36.473 ng

RT: 3.87 min Scan# 133

Delta R.T. 0.02 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

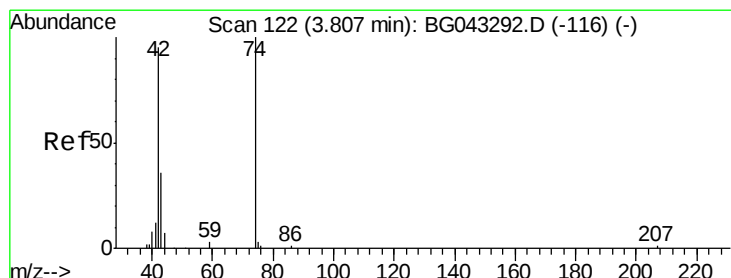
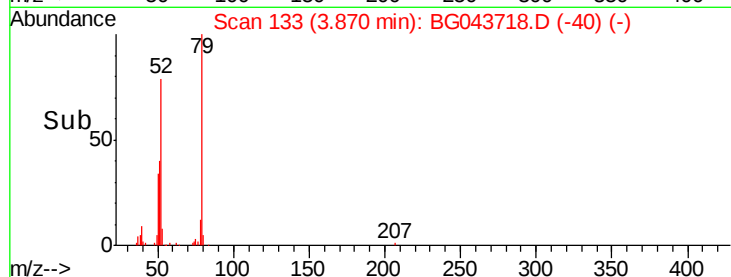
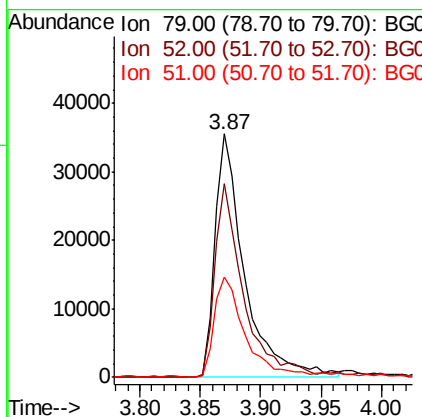
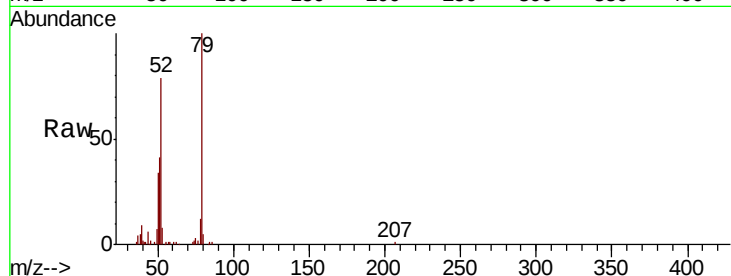
ClientSampleId :

OK-03-111219MS

Tot Ion:	79	Resp:	59563
Ion Ratio	Lower	Upper	
79	100		
52	79.4	63.2	94.8
51	41.0	34.5	51.7

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#4

n-Nitrosodimethylamine

Concen: 52.310 ng

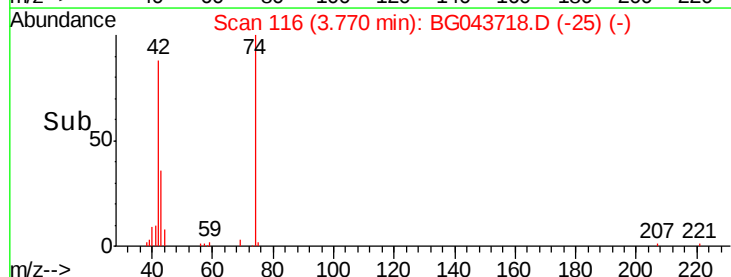
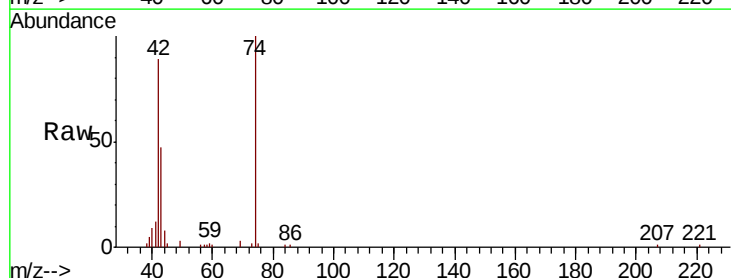
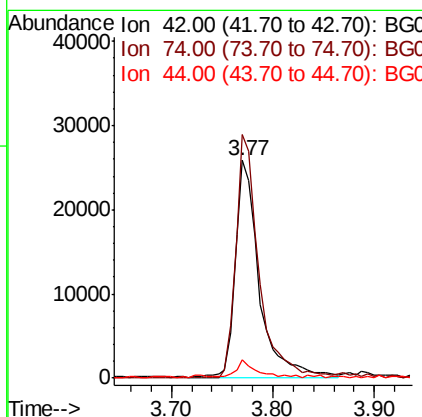
RT: 3.77 min Scan# 116

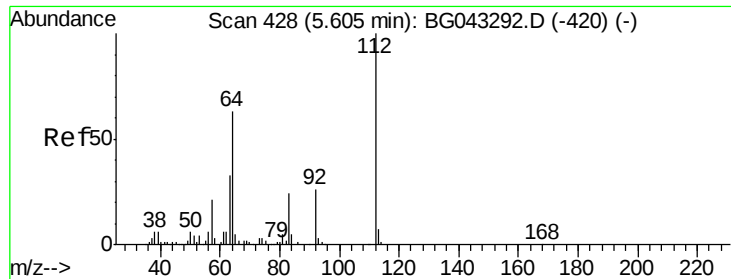
Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	42	Resp:	43106
Ion Ratio	Lower	Upper	
42	100		
74	111.7	83.0	124.6
44	8.4	4.4	6.6#





#5

2-Fluorophenol

Concen: 151.633 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

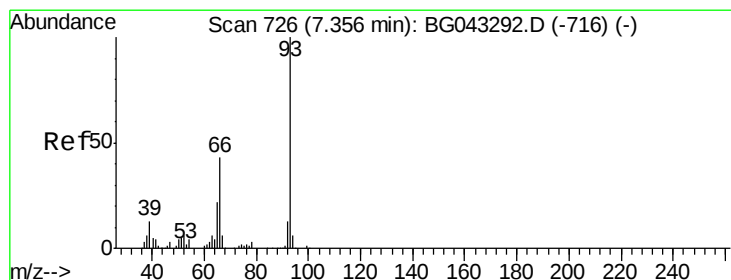
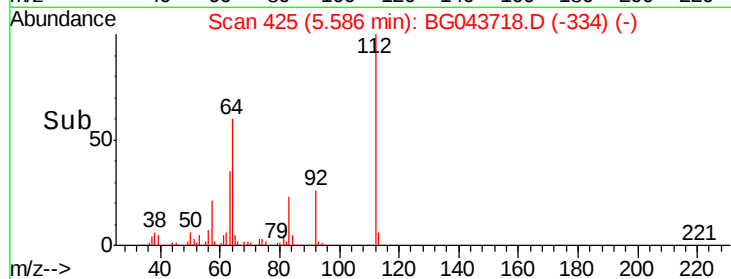
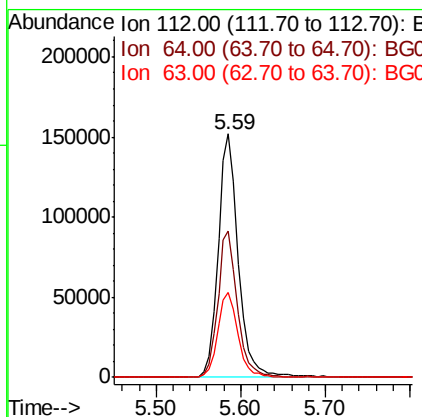
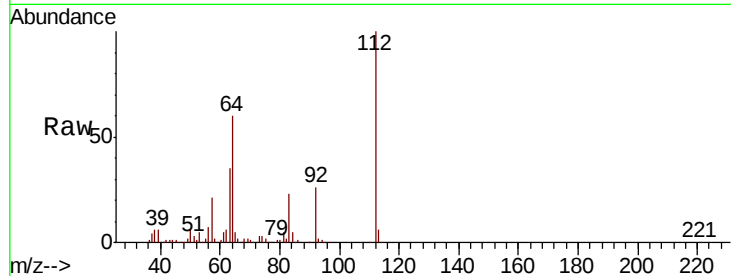
ClientSampleId :

OK-03-111219MS

Tot Ion:	112	Resp:	251904
Ion Ratio	Lower	Upper	
112	100		
64	60.3	50.6	75.8
63	35.0	30.5	45.7

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#6

Aniline

Concen: 17.636 ng

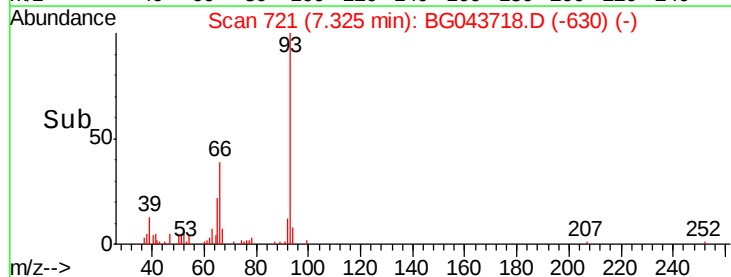
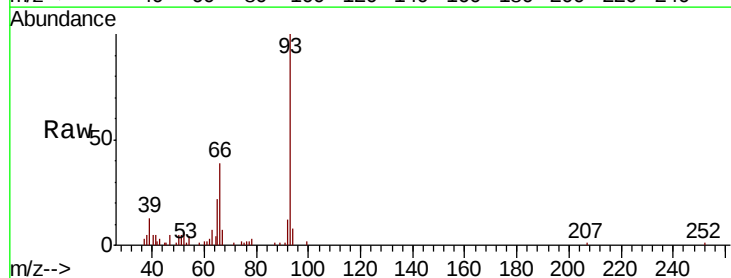
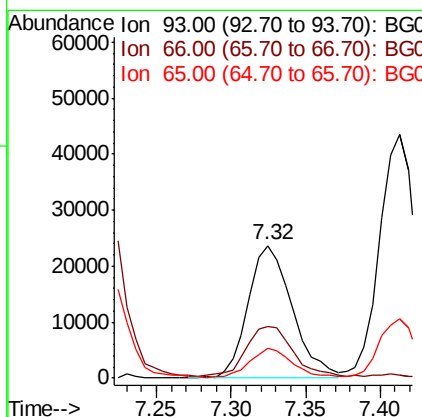
RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	93	Resp:	48558
Ion Ratio	Lower	Upper	
93	100		
66	38.7	35.4	53.2
65	22.2	17.1	25.7





#7

Phenol-d6

Concen: 144.301 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

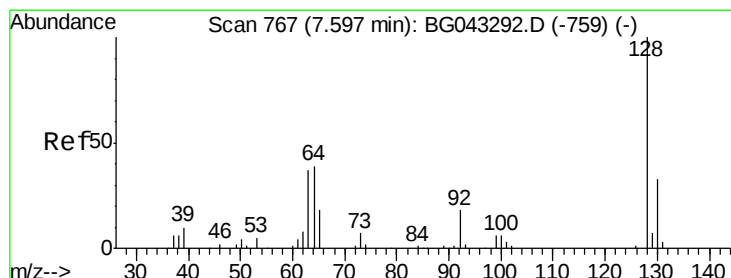
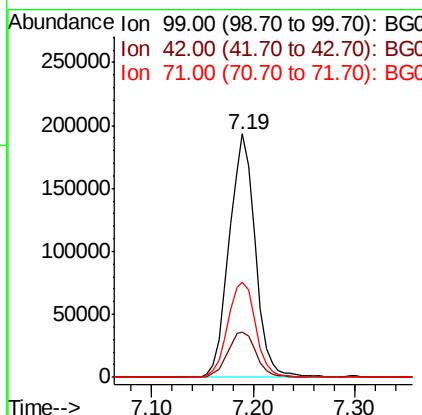
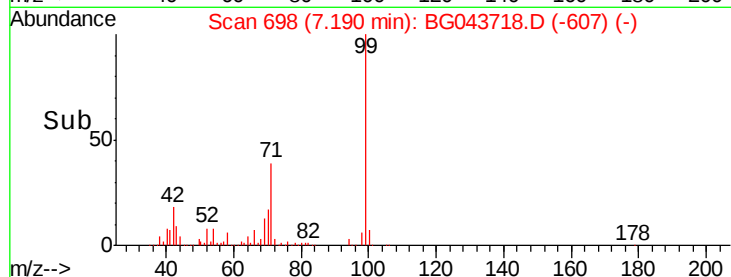
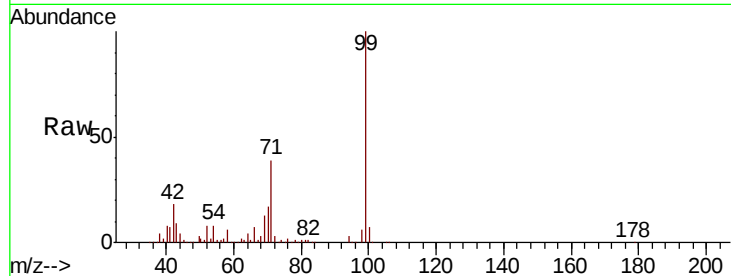
ClientSampleId :

OK-03-111219MS

Tot Ion:	99	Resp:	344906
Ion Ratio	Lower	Upper	
99	100		
42	18.4	15.8	23.8
71	39.0	34.4	51.6

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#8

2-Chlorophenol

Concen: 51.047 ng

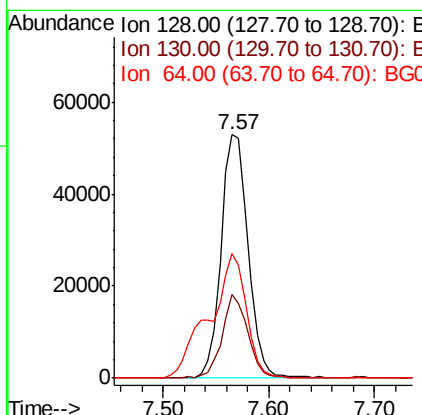
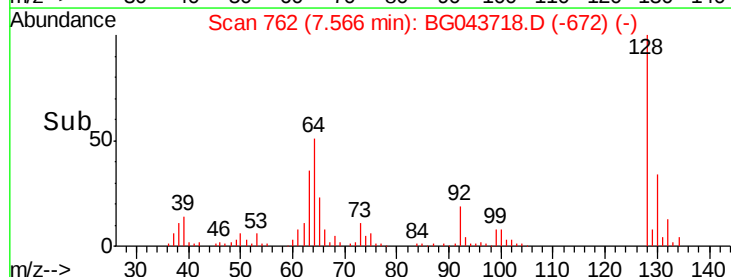
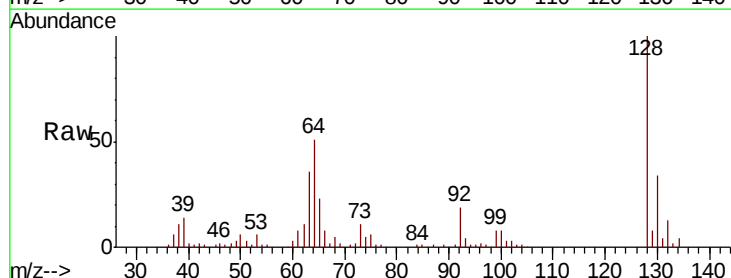
RT: 7.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	128	Resp:	93613
Ion Ratio	Lower	Upper	
128	100		
130	34.1	14.5	54.5
64	51.2	29.2	69.2





#9

Benzaldehyde

Concen: 13.144 ng

RT: 7.14 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

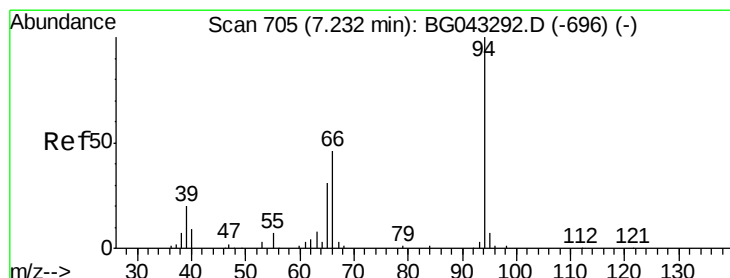
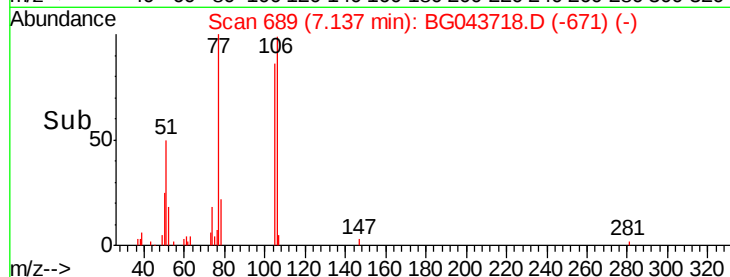
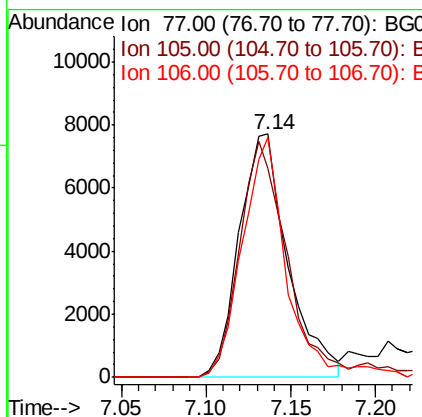
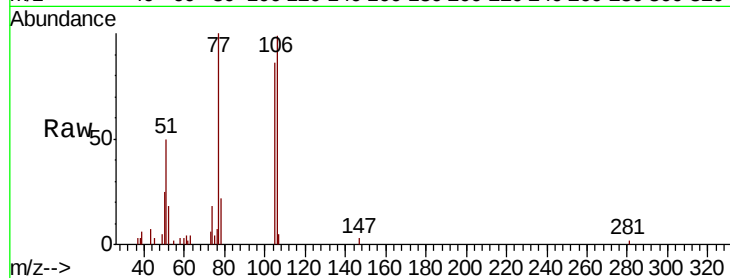
ClientSampleId :

OK-03-111219MS

Tot Ion:	77	Resp:	15439
Ion	Ratio	Lower	Upper
77	100		
105	85.9	84.9	124.9
106	98.6	75.1	115.1

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#10

Phenol

Concen: 61.853 ng

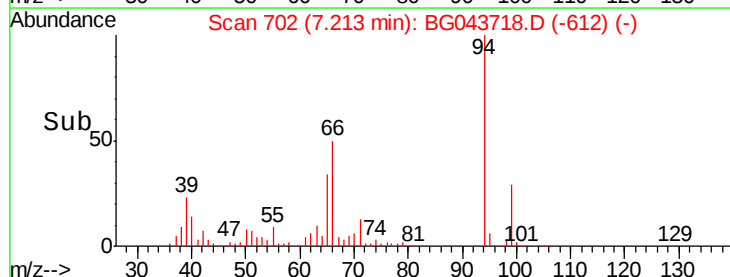
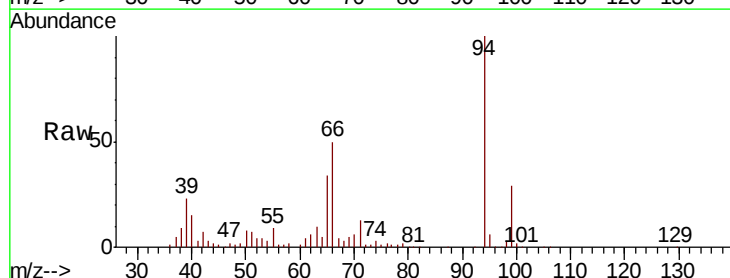
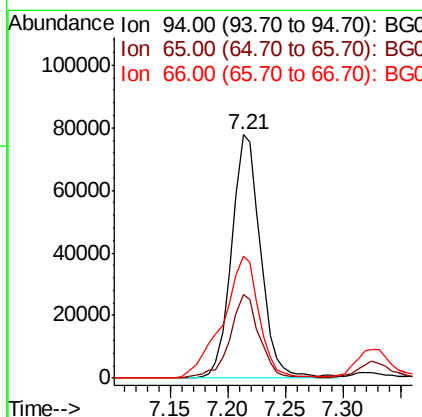
RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	94	Resp:	135095
Ion	Ratio	Lower	Upper
94	100		
65	34.4	11.4	51.4
66	50.1	28.4	68.4





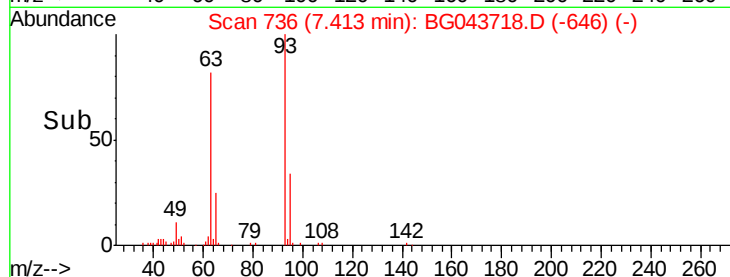
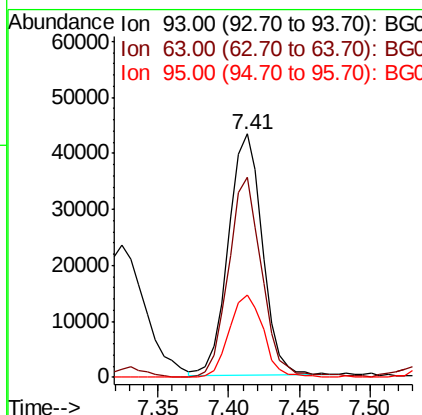
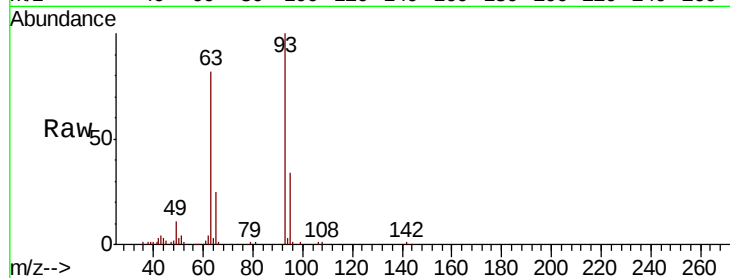
#11
bis(2-Chloroethyl)ether
Concen: 42.939 ng
RT: 7.41 min Scan# 736
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.1	54.9	94.9
95	34.0	7.2	47.2

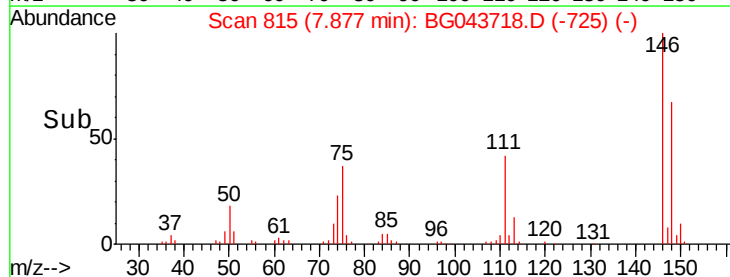
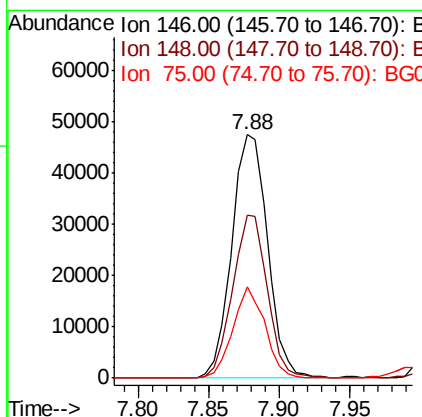
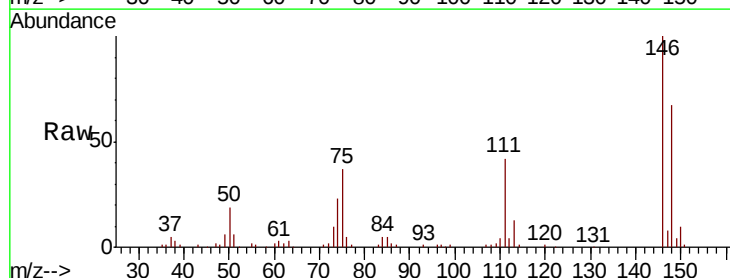
Manual Integrations
APPROVED

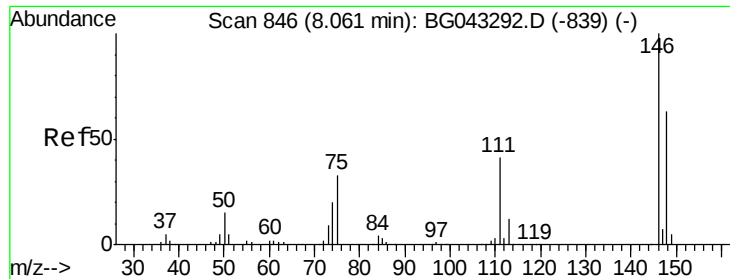
mohammad
11/21/2019 9:04:19 AM



#12
1,3-Dichlorobenzene
Concen: 36.651 ng
RT: 7.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.2	51.4	77.2
75	37.3	26.2	39.2





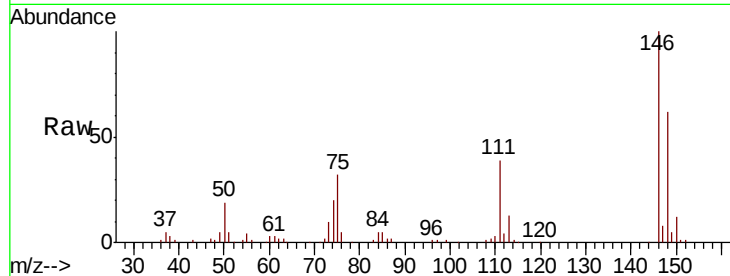
#13
 1,4-Dichlorobenzene
 Concen: 37.708 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.0	76.6
111	38.8	34.3	51.5

Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:04:19 AM

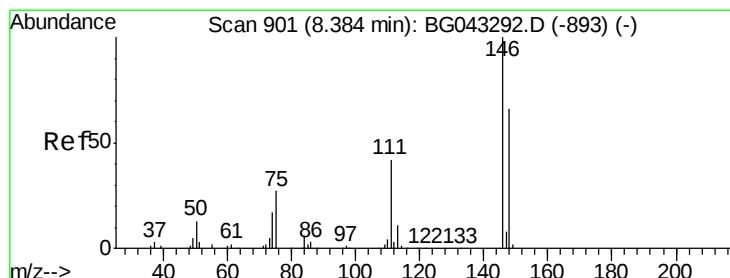
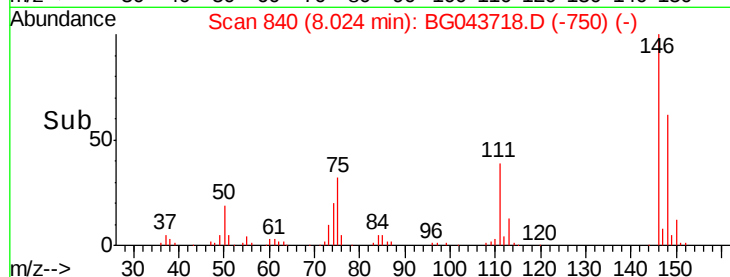
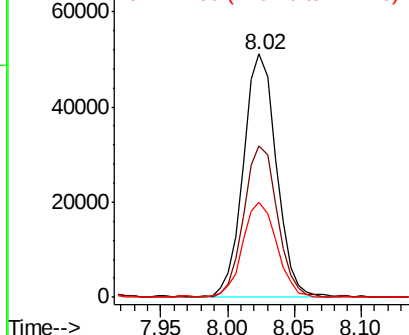


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 38.442 ng
 RT: 8.34 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

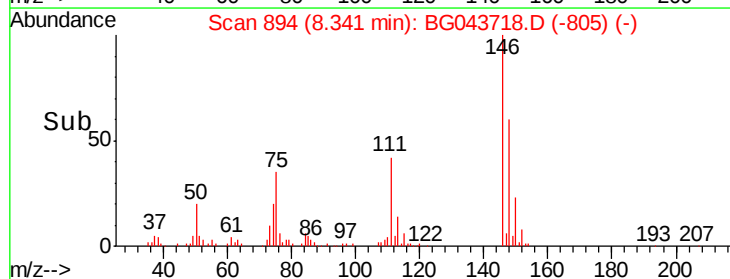
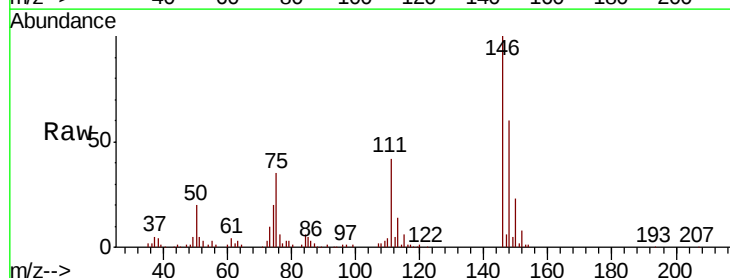
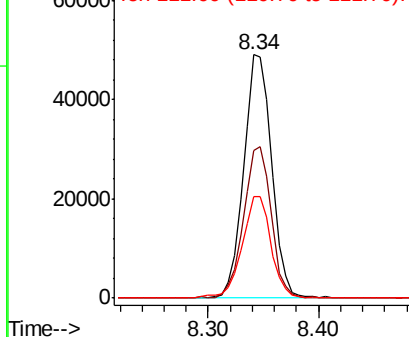
Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.4	53.4	80.2
111	41.5	35.3	52.9

Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





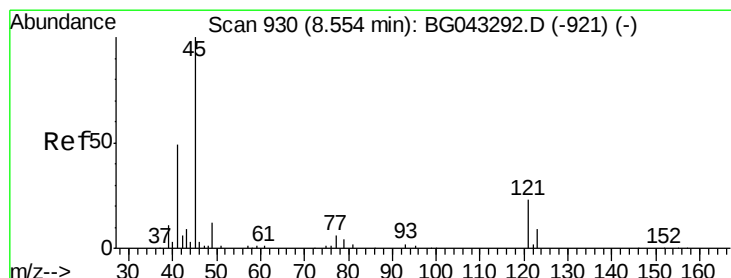
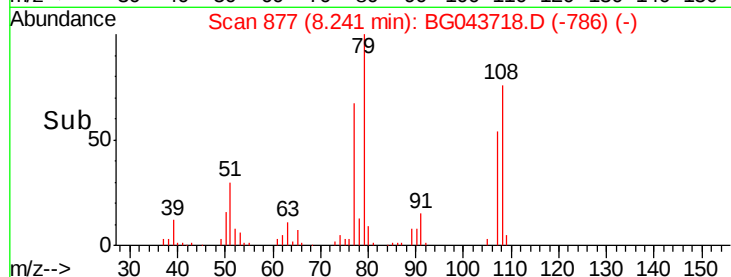
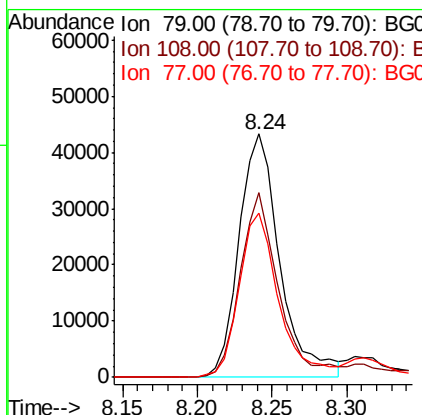
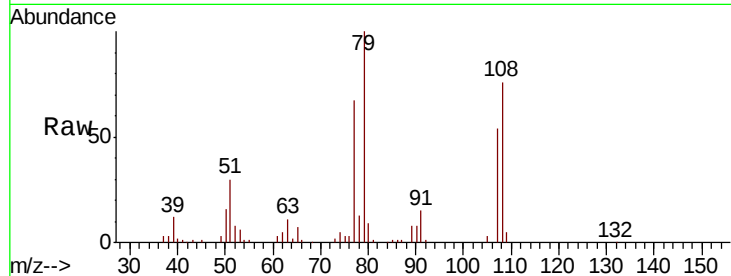
#15
Benzyl Alcohol
Concen: 49.069 ng
RT: 8.24 min Scan# 877
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.9	56.0	84.0
77	67.4	47.9	71.9

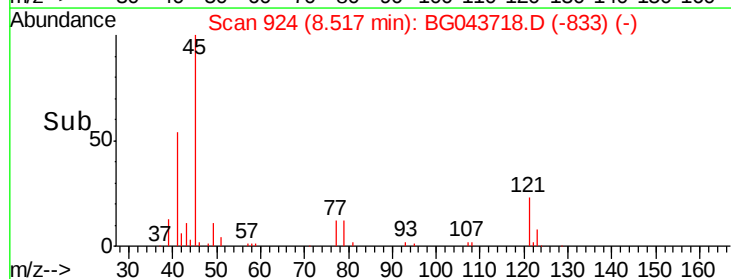
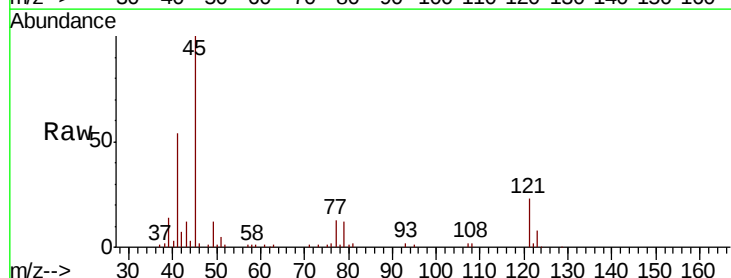
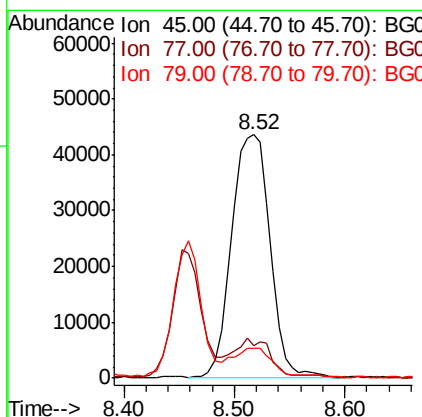
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.446 ng
RT: 8.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	35.2
79	12.4	0.0	32.4





#17

2-Methylphenol

Concen: 50.542 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

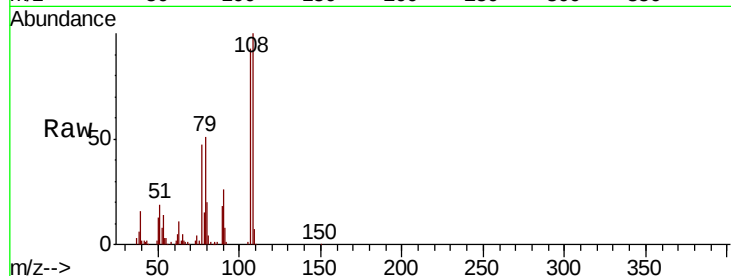
ClientSampleId :

OK-03-111219MS

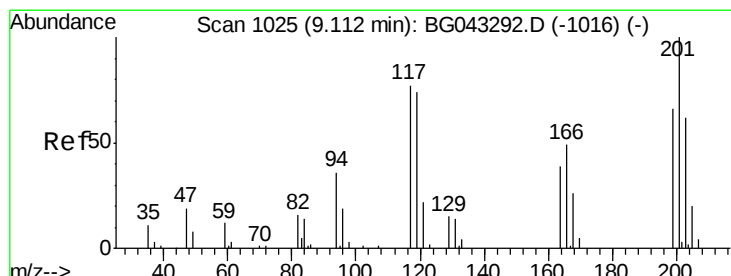
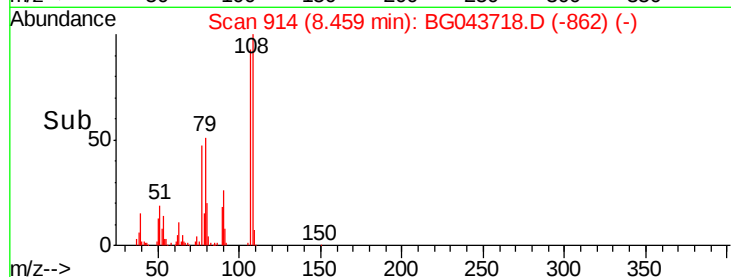
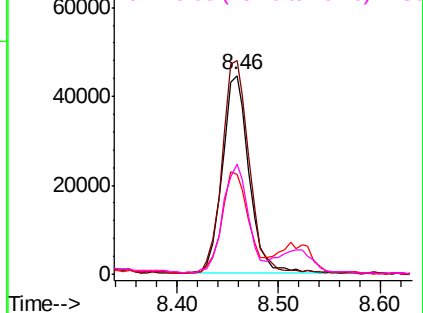
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.4	84.7	127.1	
77	50.1	46.2	69.4	
79	55.2	41.0	61.6	

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 35.932 ng

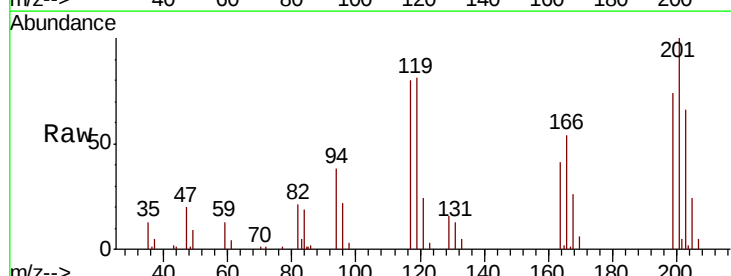
RT: 9.07 min Scan# 1018

Delta R.T. -0.00 min

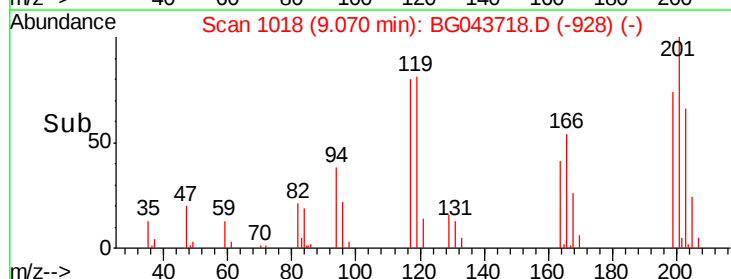
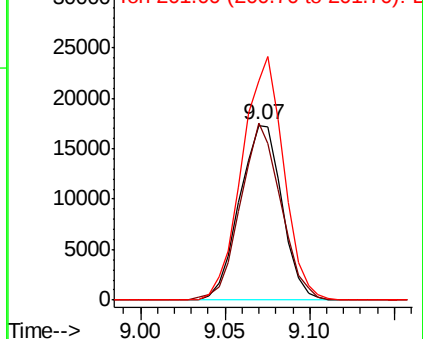
Lab File: BG043718.D

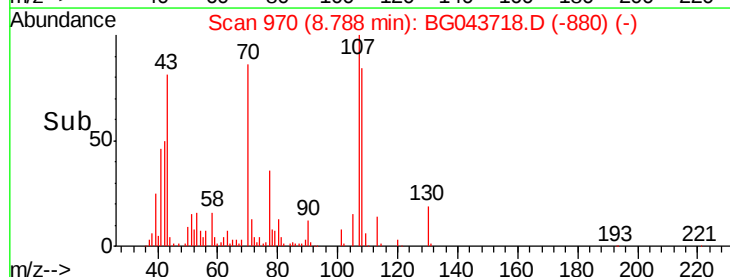
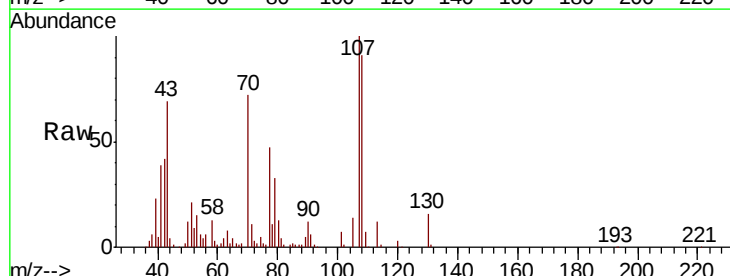
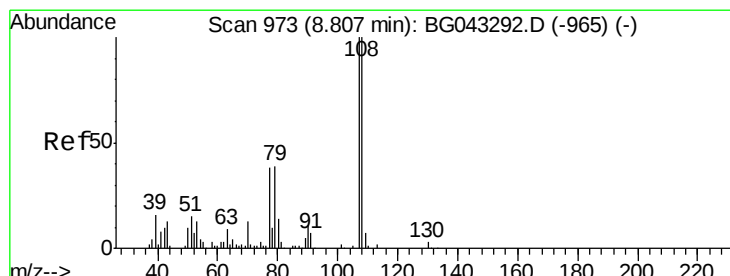
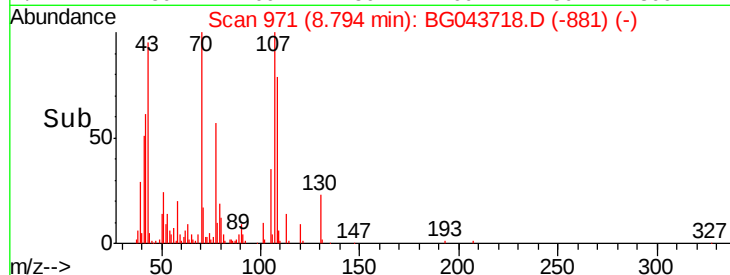
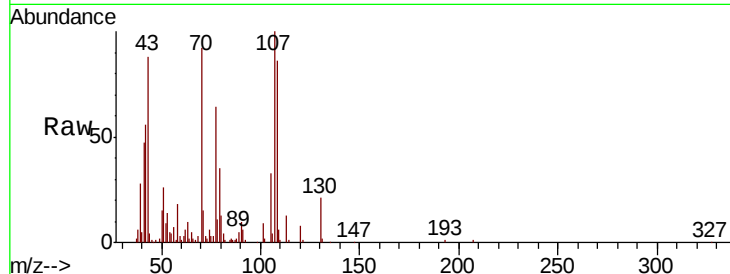
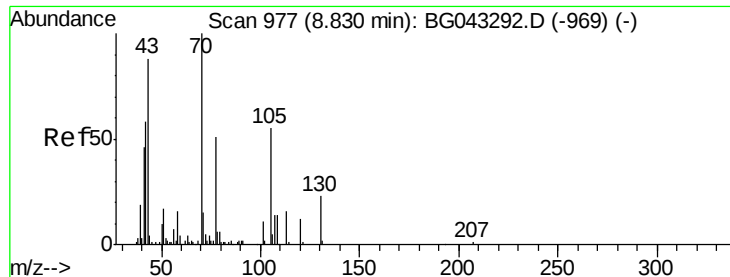
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	101.7	81.7	122.5	
201	125.7	98.6	147.8	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





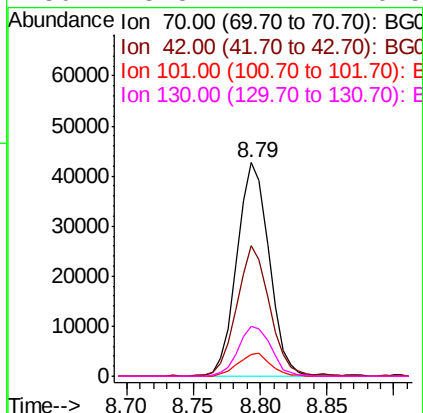
#19
n-Nitroso-di-n-propylamine
Concen: 46.366 ng
RT: 8.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.4	49.7	74.5
101	10.1	9.7	14.5
130	23.3	17.7	26.5

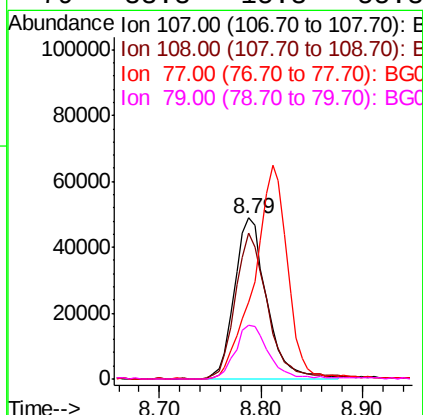
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#20
3+4-Methylphenols
Concen: 49.644 ng
RT: 8.79 min Scan# 970
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.8	69.5	109.5
77	47.4	32.8	72.8
79	33.3	15.3	55.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.79 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

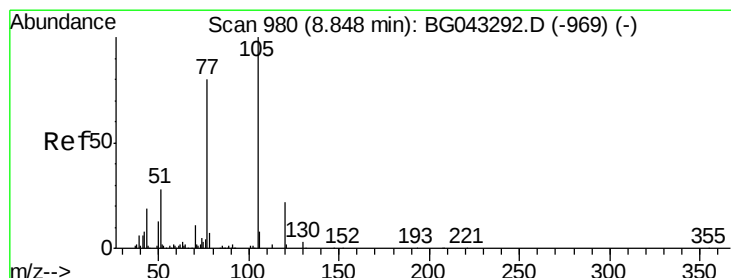
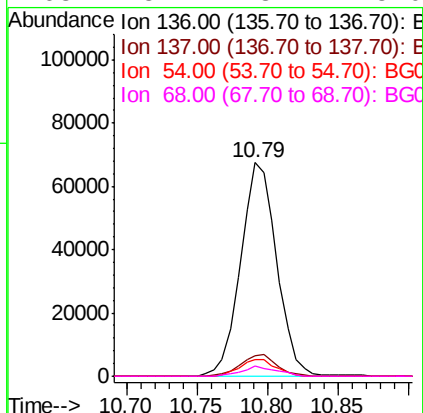
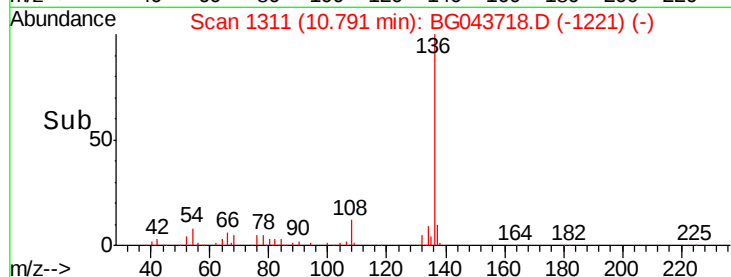
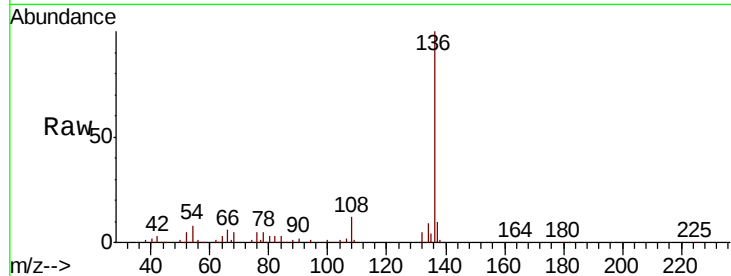
ClientSampleId :

OK-03-111219MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	120792		
137	9.7	8.8	13.2	
54	7.7	6.2	9.2	
68	5.1	3.4	5.0#	

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#22

Acetophenone

Concen: 44.802 ng

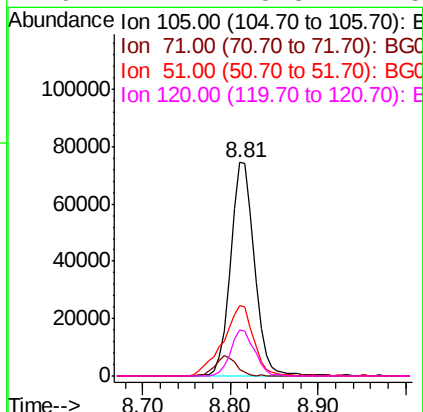
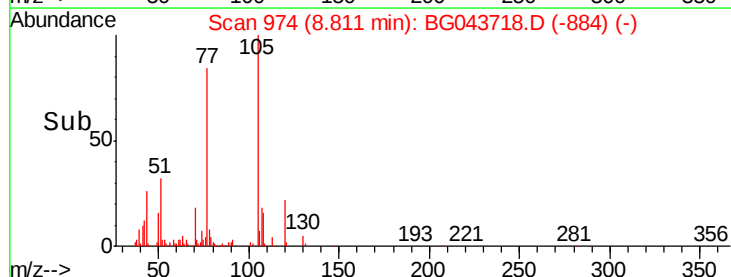
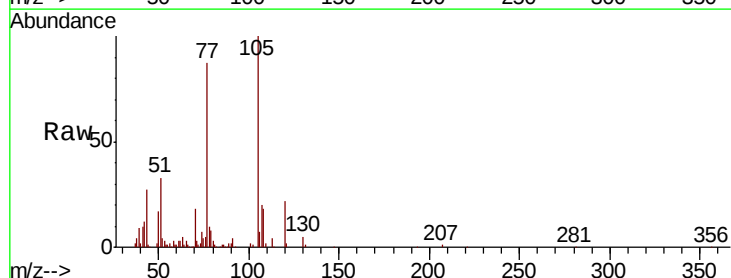
RT: 8.81 min Scan# 974

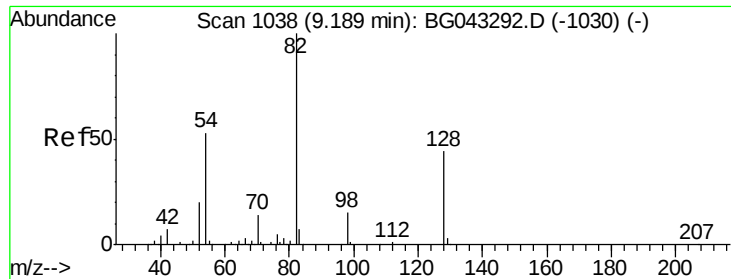
Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	138589		
71	3.0	1.5	2.3#	
51	33.2	25.0	37.6	
120	21.7	18.3	27.5	





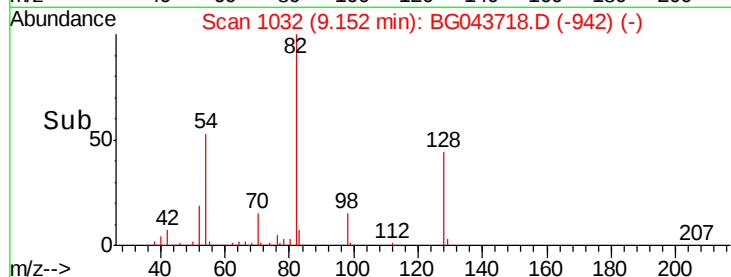
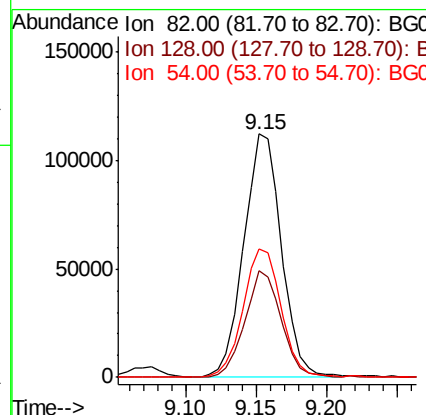
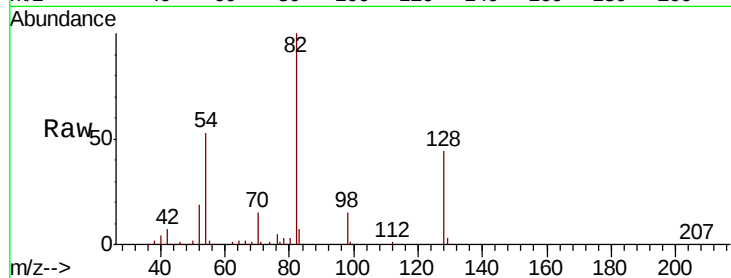
#23
 Nitrobenzene-d5
 Concen: 89.610 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.2	51.4
54	52.7	44.7	67.1

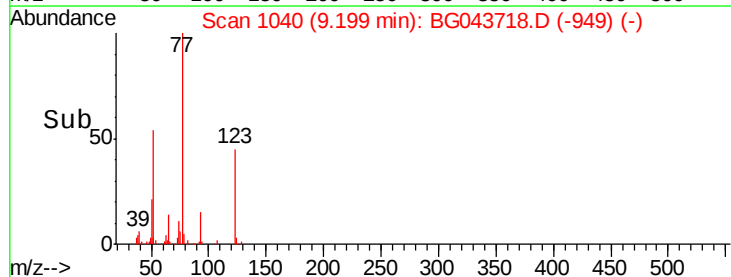
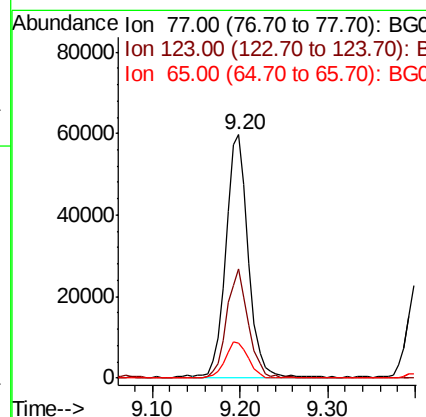
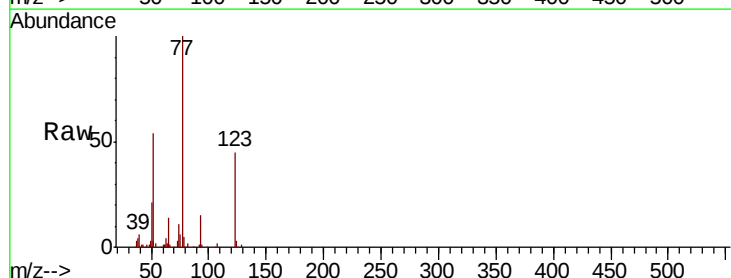
Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:04:19 AM



#24
 Nitrobenzene
 Concen: 47.683 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.9	33.6	50.4
65	14.3	12.9	19.3





#25

Isophorone

Concen: 48.040 ng

RT: 9.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

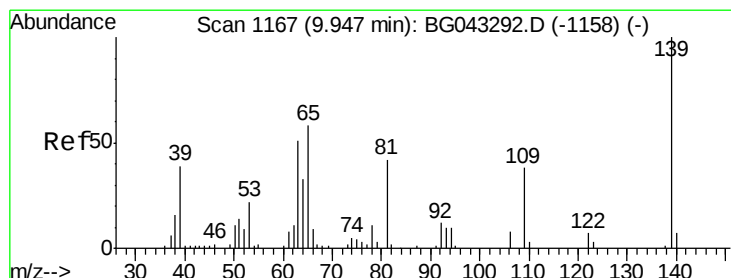
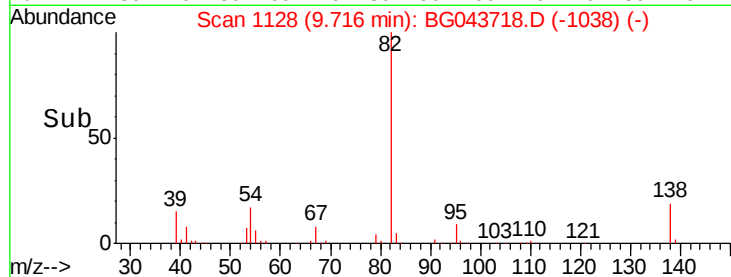
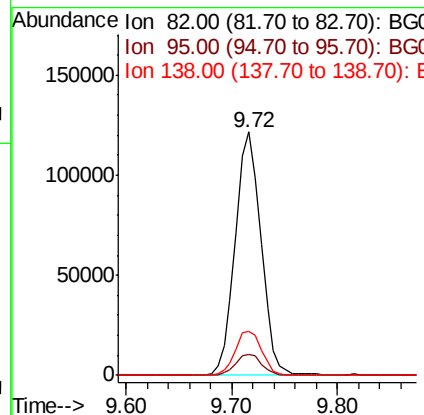
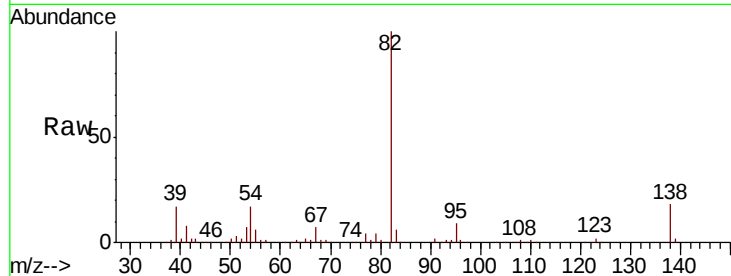
ClientSampleId :

OK-03-111219MS

Tot Ion:	82	Resp:	205786
Ion Ratio		Lower	Upper
82	100		
95	8.5	7.4	11.0
138	18.0	15.1	22.7

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#26

2-Nitrophenol

Concen: 51.912 ng

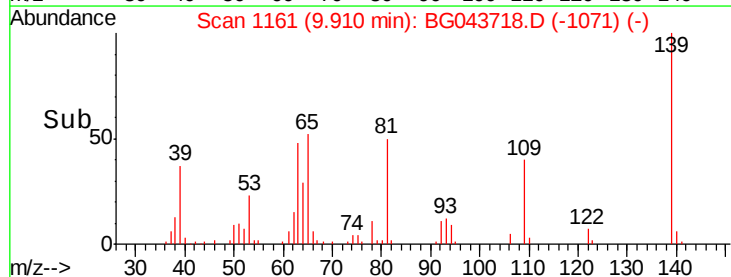
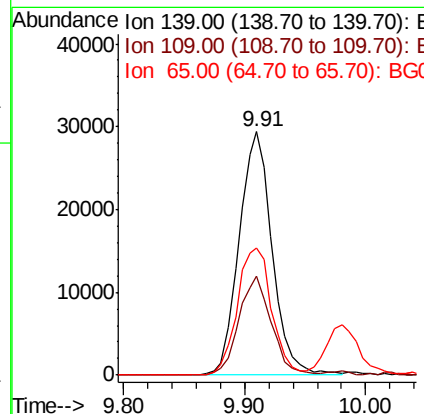
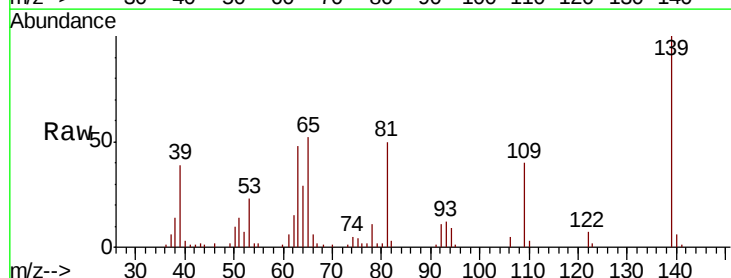
RT: 9.91 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	139	Resp:	55938
Ion Ratio		Lower	Upper
139	100		
109	40.5	32.6	48.8
65	52.3	47.6	71.4





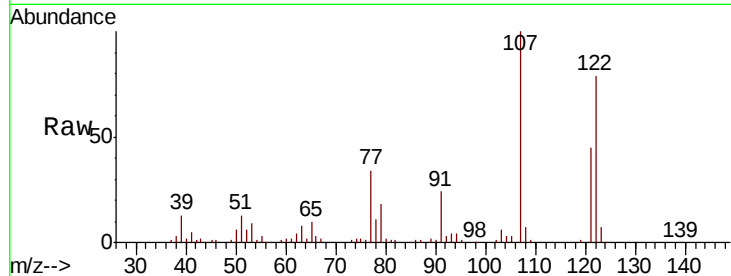
#27
2,4-Dimethylphenol
Concen: 57.160 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	126.0	100.7	151.1		
121	56.7	47.0	70.4		

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM

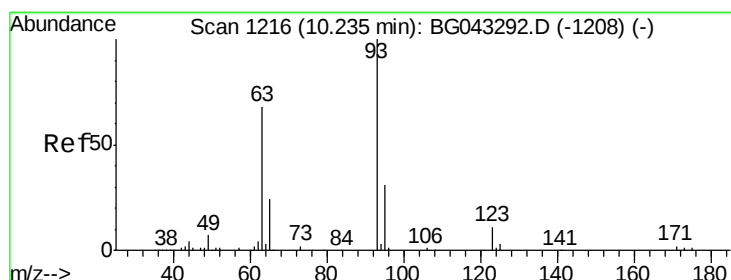
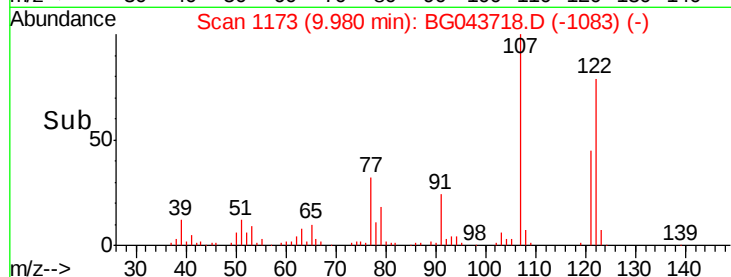
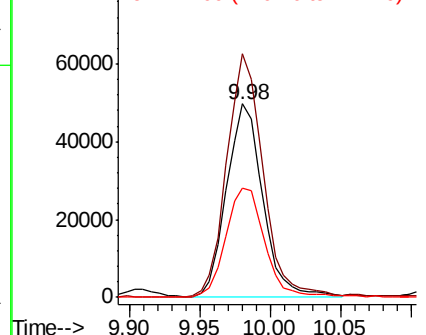


Abundance

Ion 122.00 (121.70 to 122.70): E

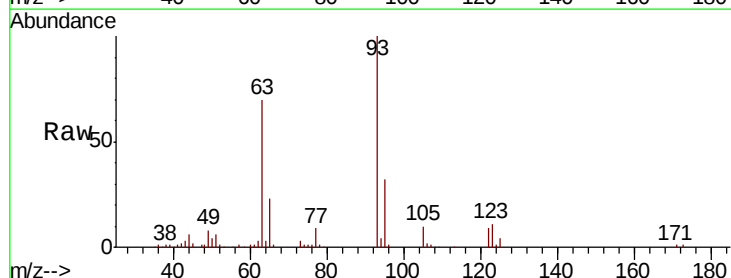
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 45.763 ng
RT: 10.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	32.5	27.5	41.3		
123	10.8	10.7	16.1		

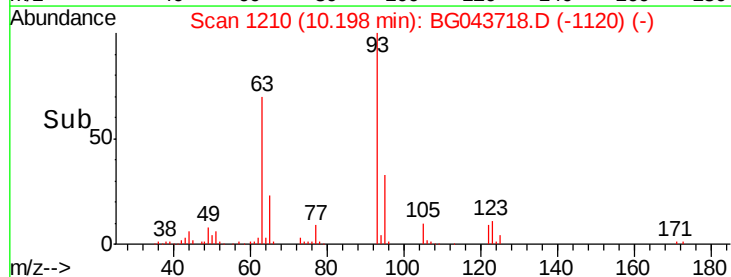
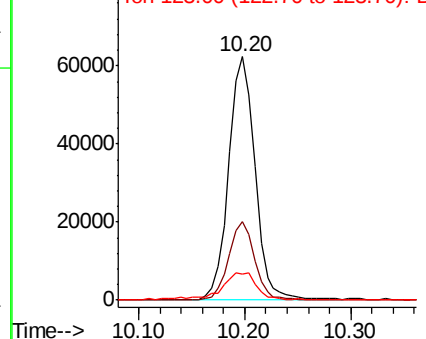


Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





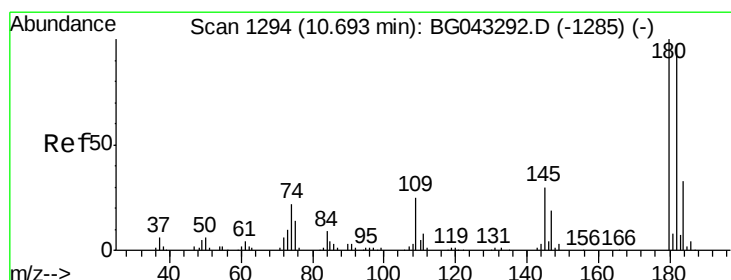
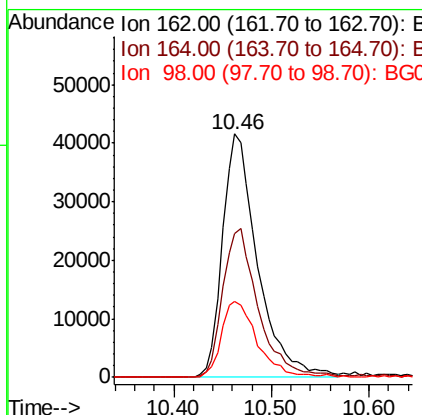
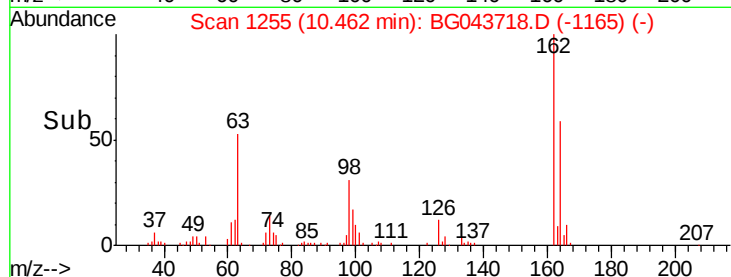
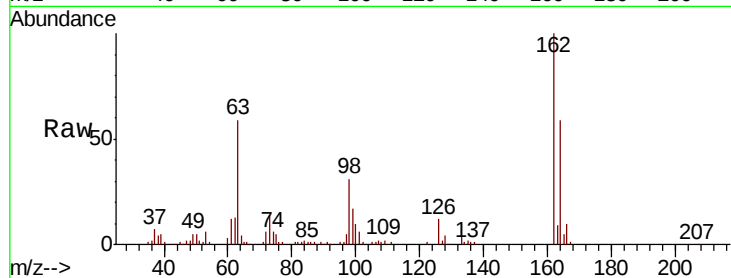
#29
2,4-Dichlorophenol
Concen: 52.462 ng
RT: 10.46 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	59.1	45.4	85.4	
98	30.9	10.1	50.1	

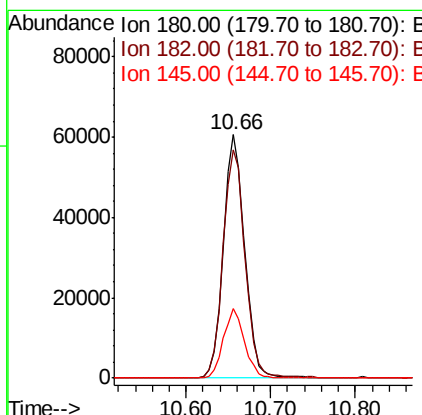
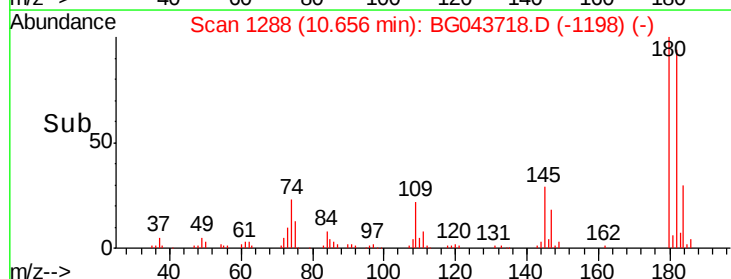
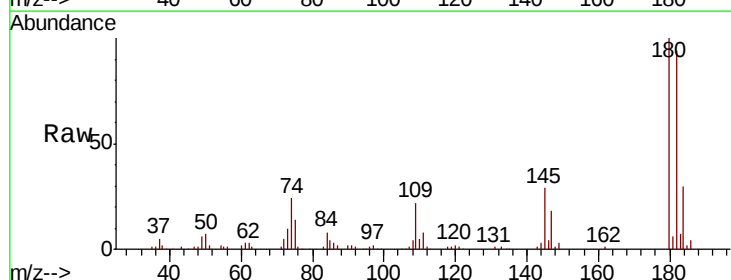
Manual Integrations
APPROVED

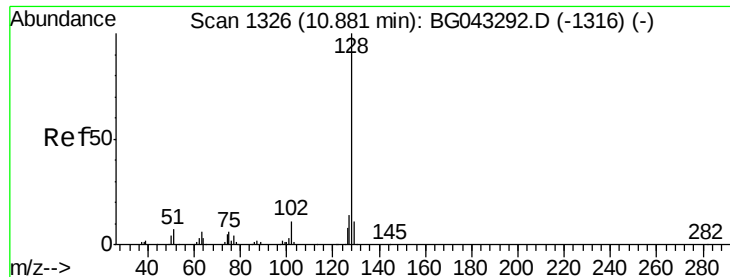
mohammad
11/21/2019 9:04:19 AM



#30
1,2,4-Trichlorobenzene
Concen: 42.273 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	74.5	111.7	
145	28.6	21.4	32.0	





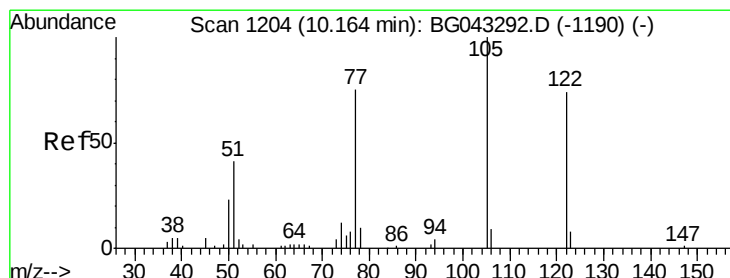
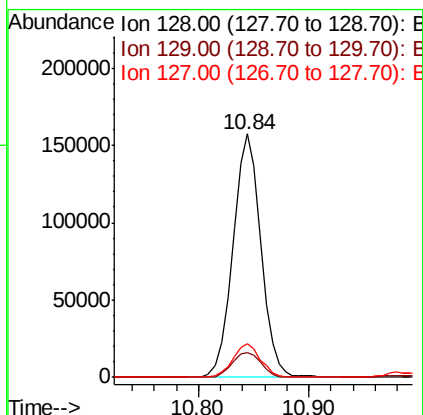
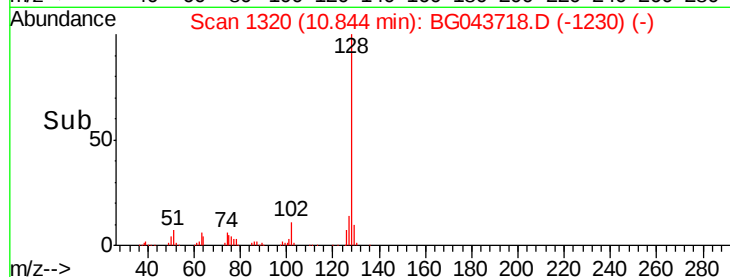
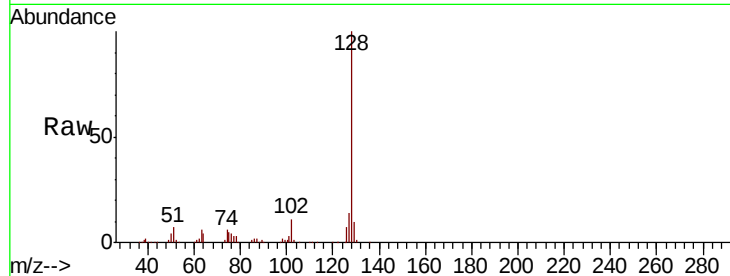
#31
Naphthalene
Concen: 45.527 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.5	14.3
127	13.9	11.0	16.4

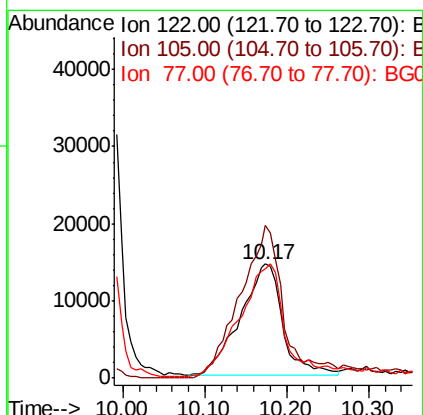
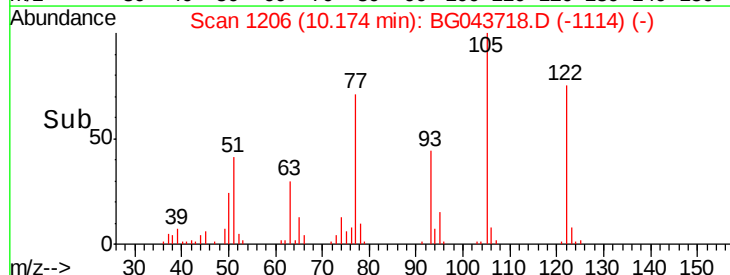
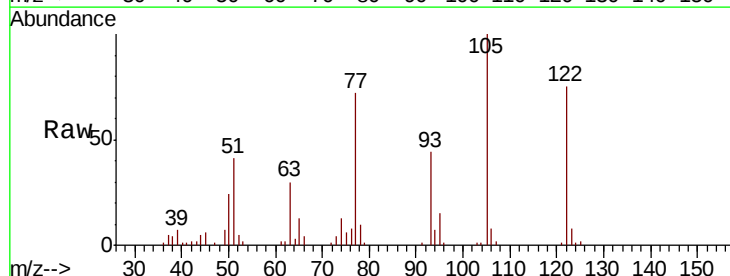
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#32
Benzoic acid
Concen: 45.281 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	133.5	101.8	141.8
77	96.3	86.8	126.8





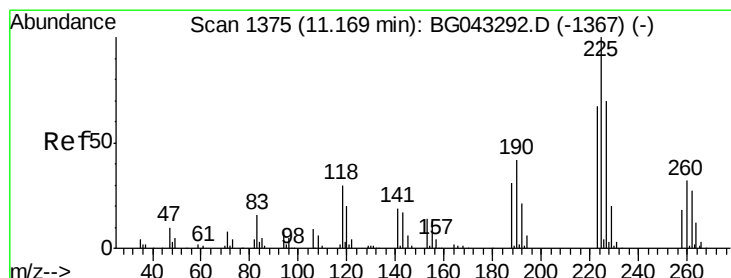
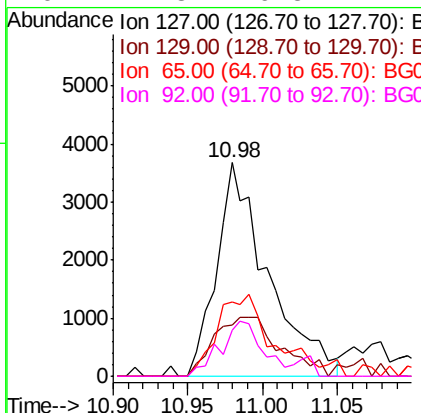
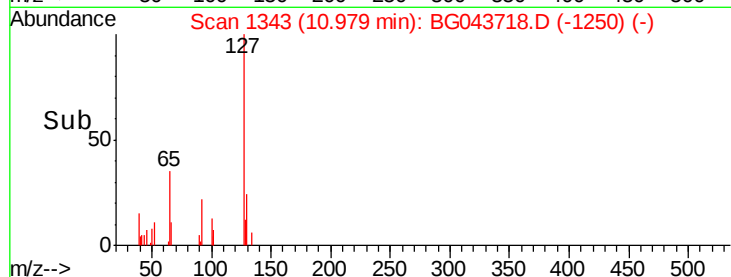
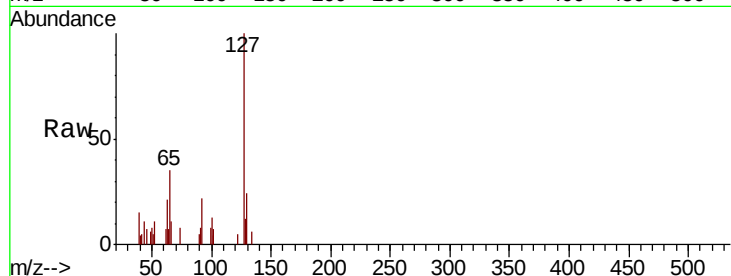
#33
4-Chloroaniline
Concen: 3.512 ng
RT: 10.98 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	24.2	28.0	42.0		
65	34.6	28.3	42.5		
92	21.8	16.5	24.7		

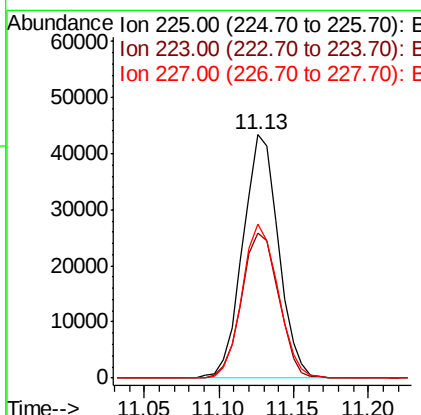
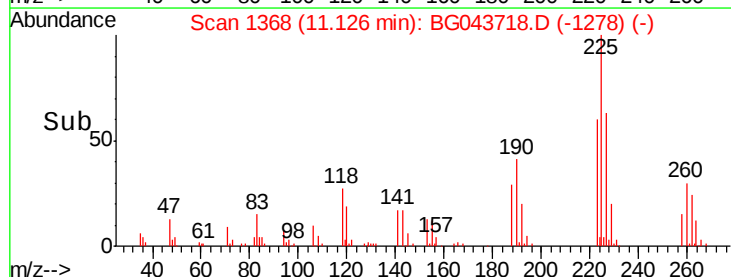
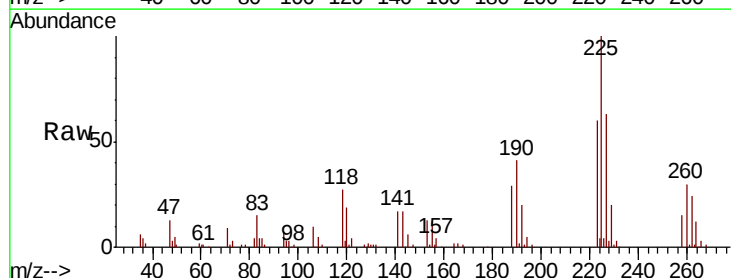
Manual Integrations
APPROVED

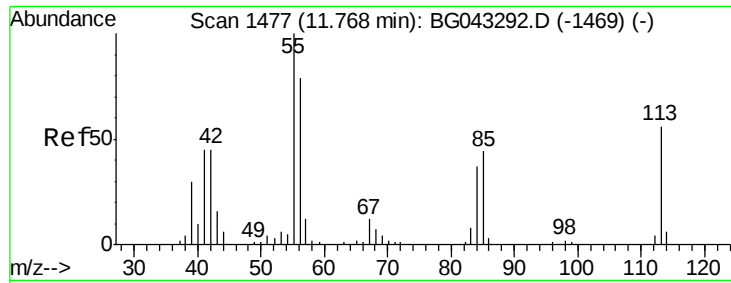
mohammad
11/21/2019 9:04:19 AM



#34
Hexachlorobutadiene
Concen: 38.802 ng
RT: 11.13 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	59.6	48.6	73.0		
227	63.2	49.1	73.7		





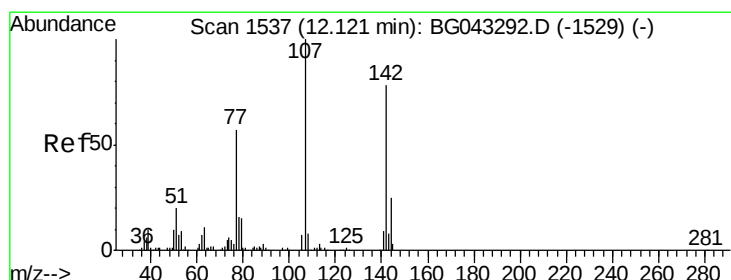
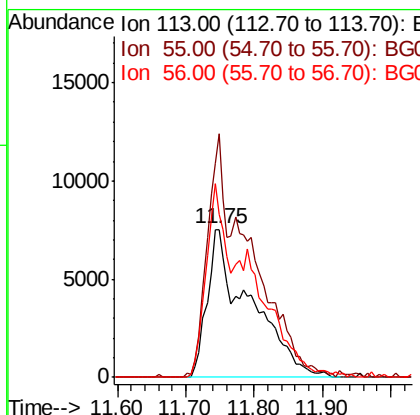
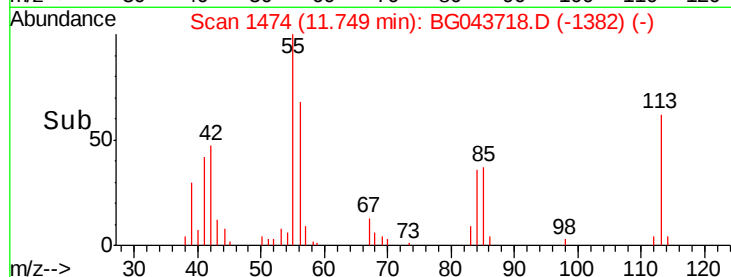
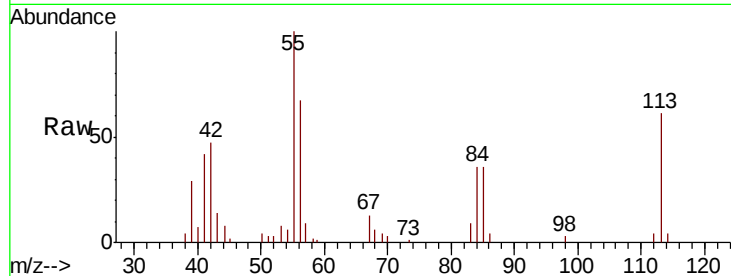
#35
Caprolactam
Concen: 48.107 ng/ml
RT: 11.75 min Scan# 1474
Delta R.T. 0.01 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	164.4		154.4	194.4	
56	109.6		112.9	152.9	

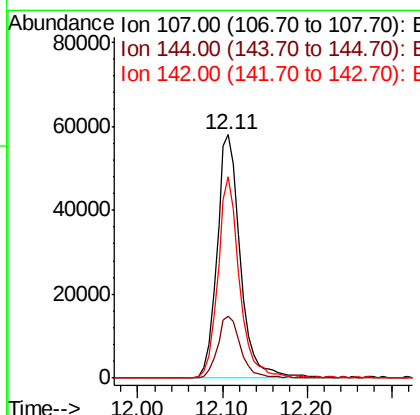
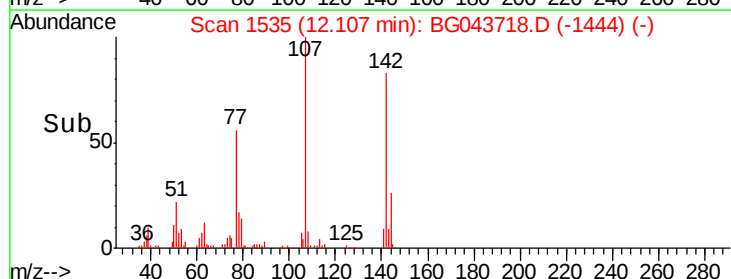
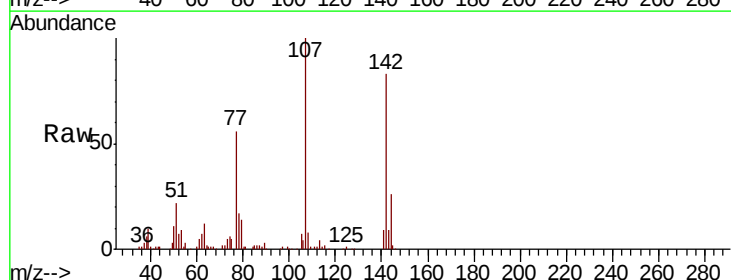
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#36
4-Chloro-3-methylphenol
Concen: 51.970 ng/ml
RT: 12.11 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.5		21.7	32.5	
142	82.7		67.2	100.8	





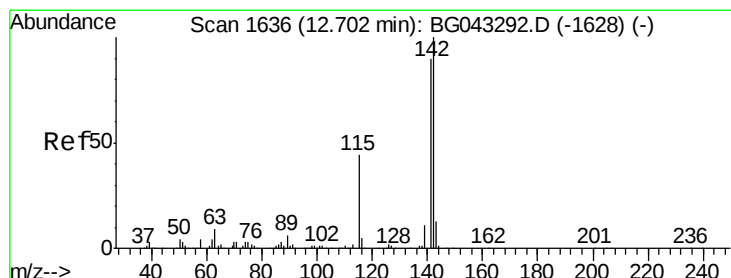
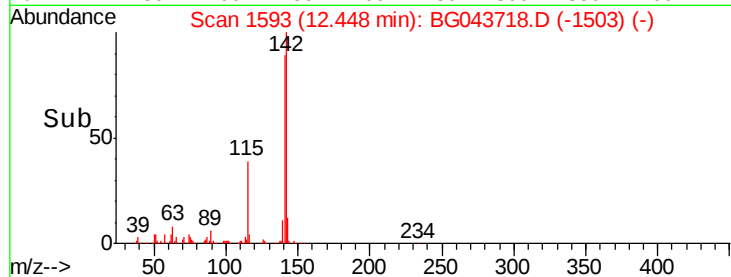
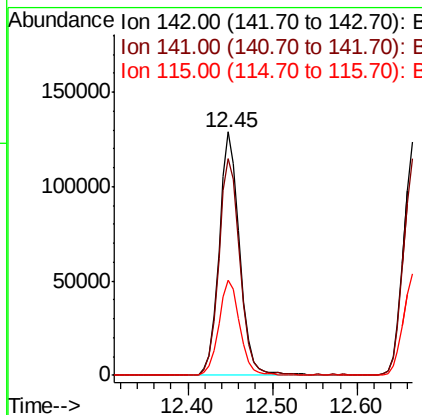
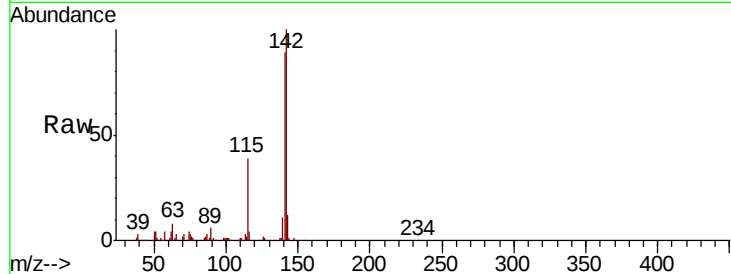
#37
2-Methylnaphthalene
Concen: 46.151 ng
RT: 12.45 min Scan# 1593
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8
115	39.3	31.9	47.9

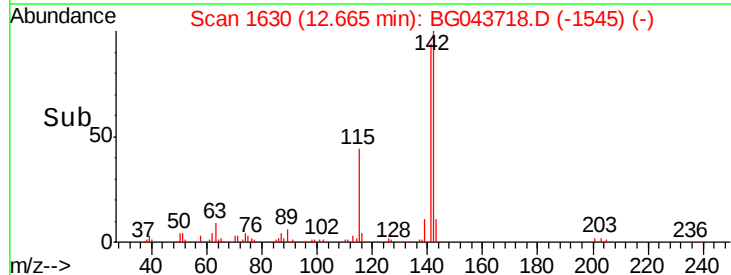
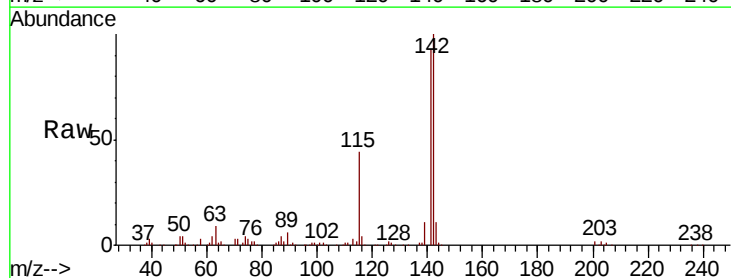
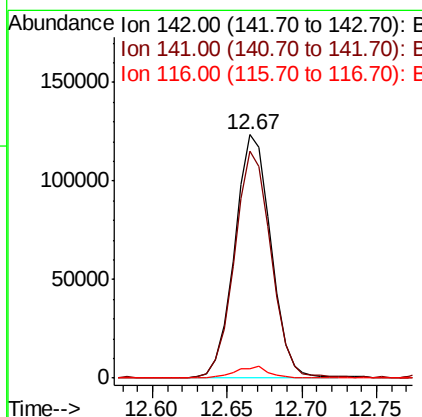
Manual Integrations
APPROVED

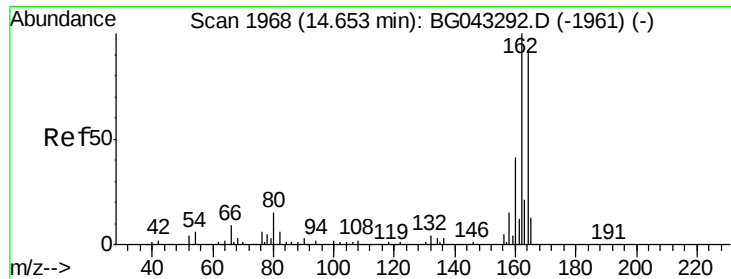
mohammad
11/21/2019 9:04:19 AM



#38
1-Methylnaphthalene
Concen: 46.308 ng
RT: 12.67 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.5	111.7
116	3.9	3.8	5.6





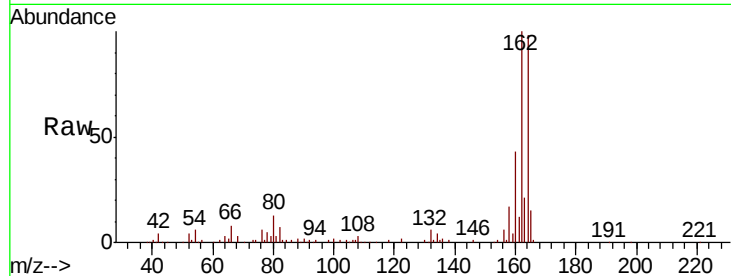
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.4	119.2
160	44.3	36.3	54.5

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM

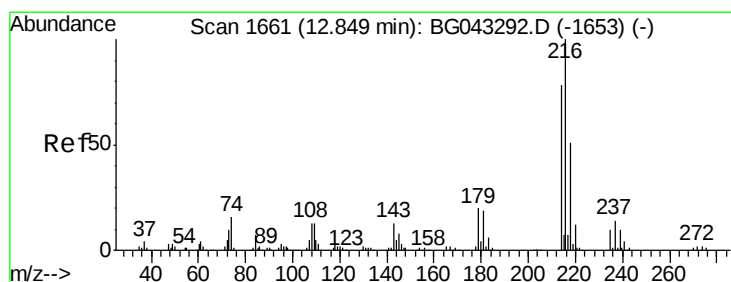
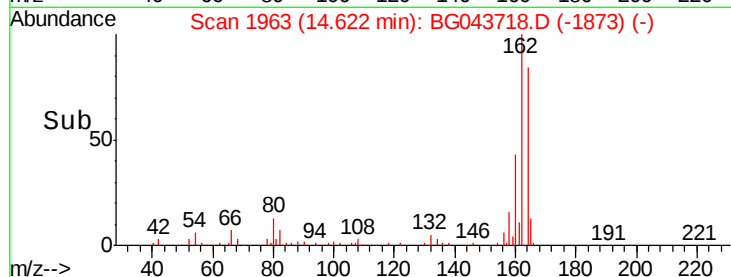
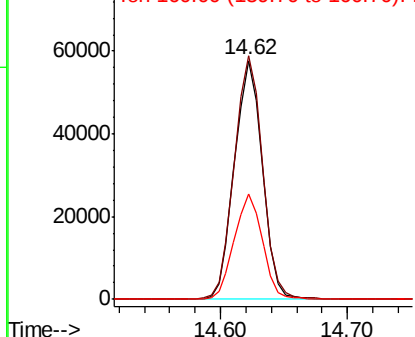


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.849 ng
RT: 12.82 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.5	62.8	94.2
179	19.5	16.5	24.7
108	15.3	12.7	19.1

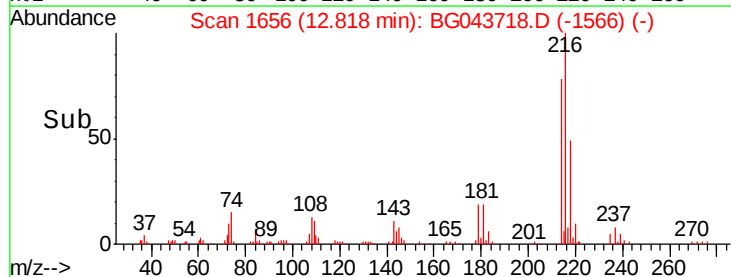
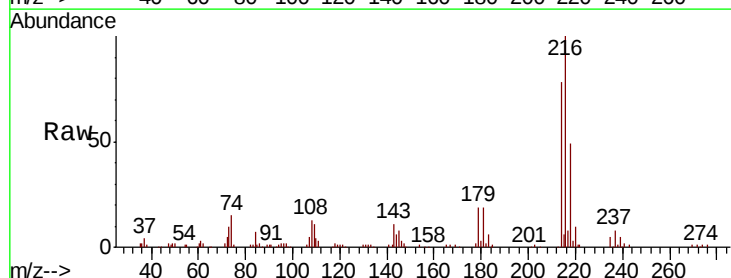
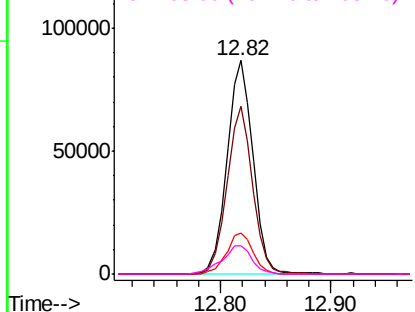
Abundance

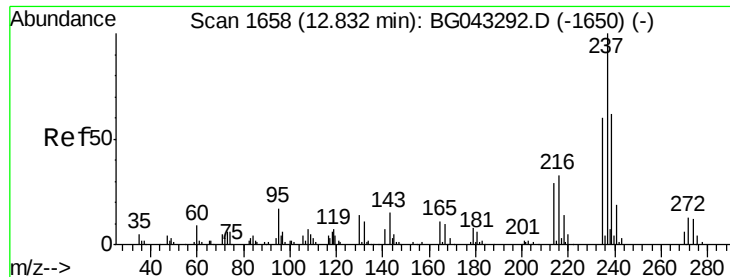
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 69.166 ng

RT: 12.79 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

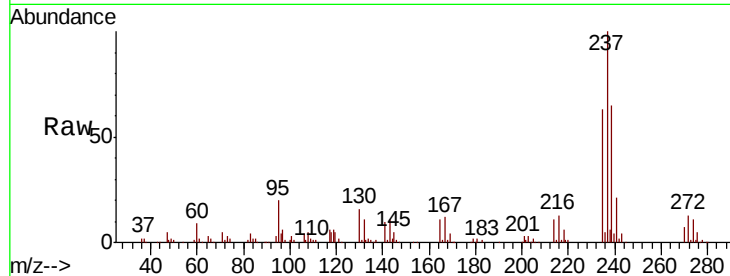
ClientSampleId :

OK-03-111219MS

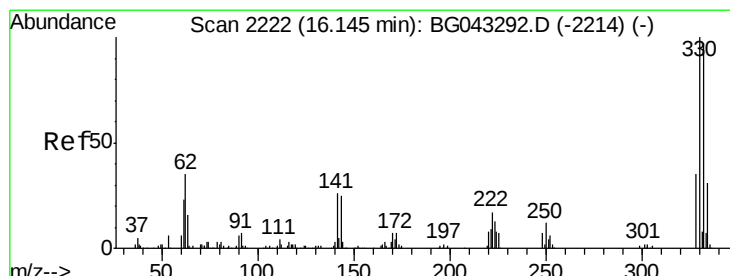
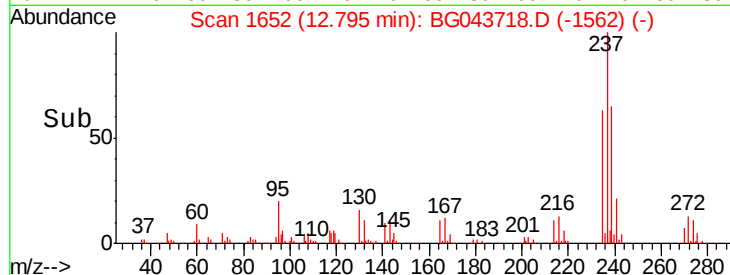
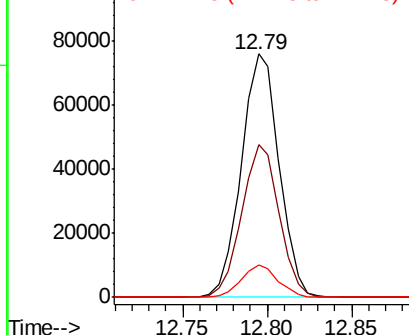
Tot Ion:	237	Resp:	118162
Ion Ratio	Lower	Upper	
237	100		
235	62.7	42.2	82.2
272	13.4	0.0	32.6

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



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



#42

2,4,6-Tribromophenol

Concen: 132.084 ng

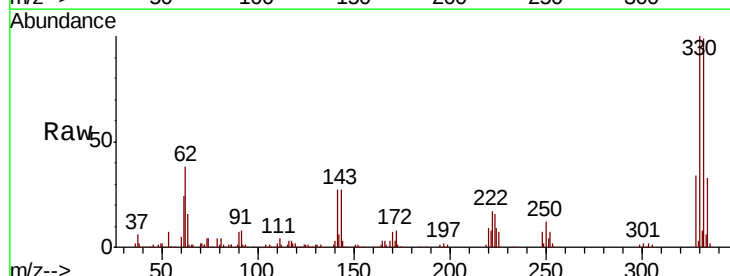
RT: 16.12 min Scan# 2218

Delta R.T. 0.00 min

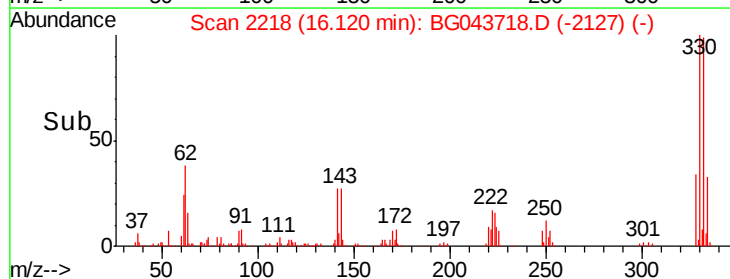
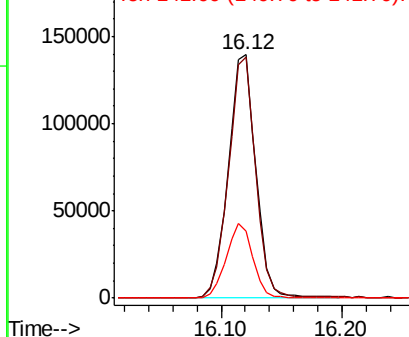
Lab File: BG043718.D

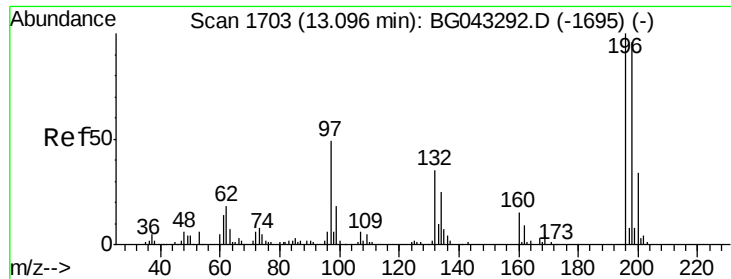
Acq: 20 Nov 2019 5:20

Tgt Ion:	330	Resp:	220882
Ion Ratio	Lower	Upper	
330	100		
332	98.2	76.6	115.0
141	30.0	23.4	35.2



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





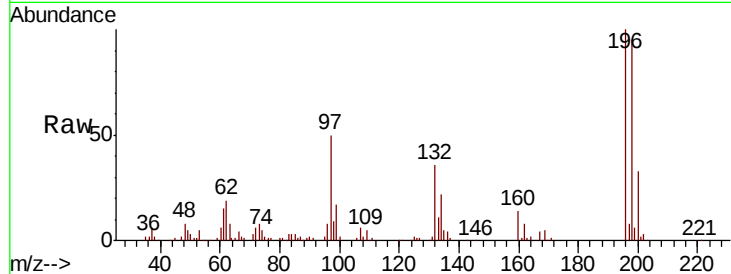
#43
2,4,6-Trichlorophenol
Concen: 50.643 ng
RT: 13.07 min Scan# 1698
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	96992		
198	94.8	81.3	121.9	
200	32.5	28.2	42.2	

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM

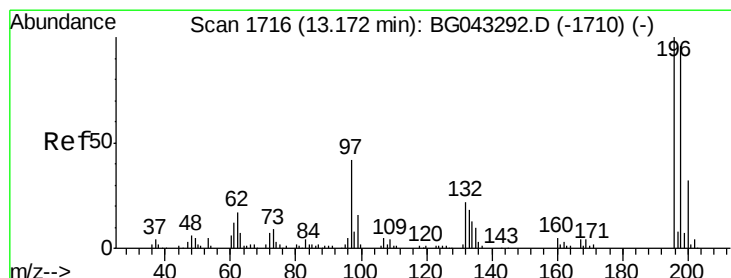
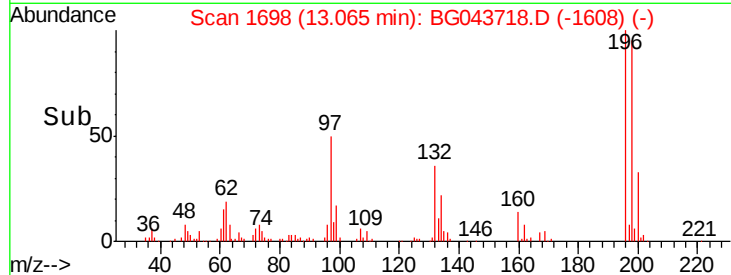
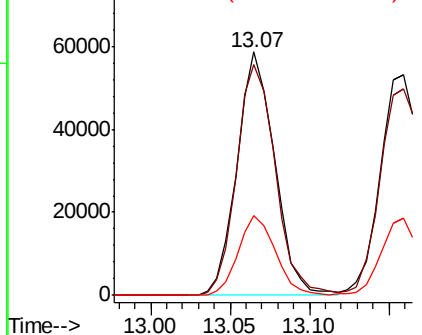


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
2,4,5-Trichlorophenol
Concen: 53.458 ng
RT: 13.16 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	103509		
198	93.4	77.4	116.2	
97	42.5	35.9	53.9	
132	25.8	20.0	30.0	

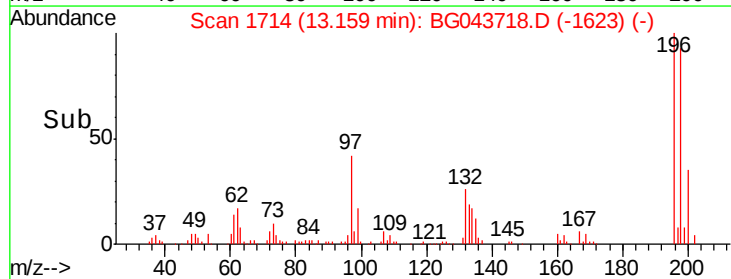
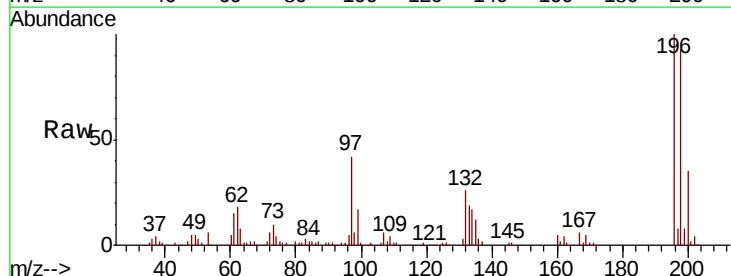
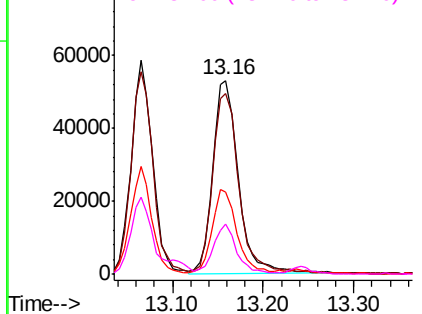
Abundance

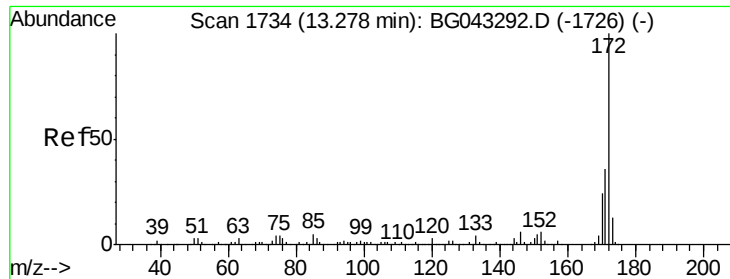
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





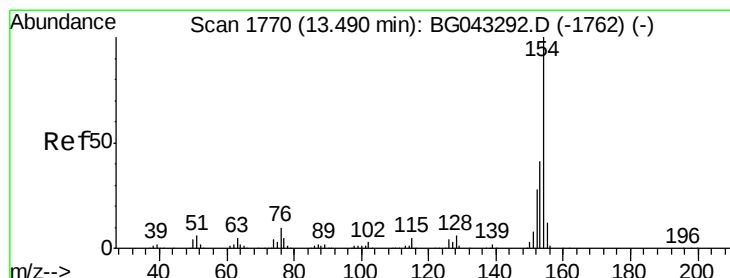
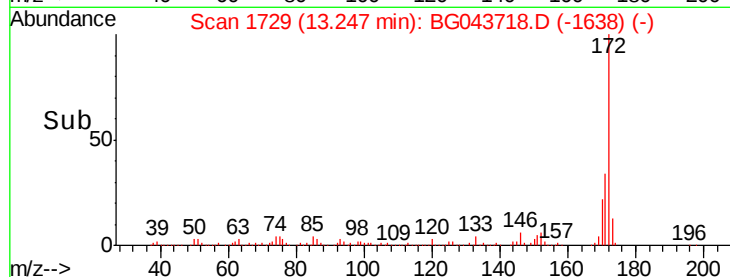
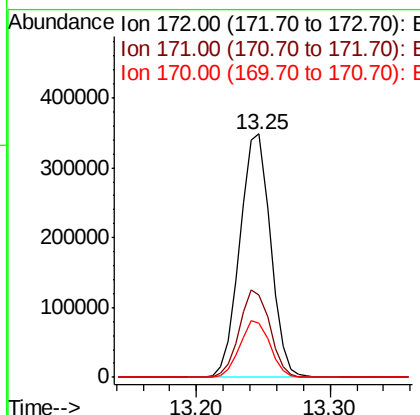
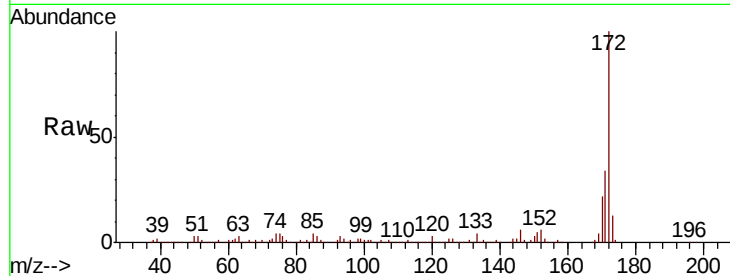
#45
2-Fluorobiphenyl
Concen: 87.234 ng
RT: 13.25 min Scan# 1729
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.1	42.1
170	22.2	18.8	28.2

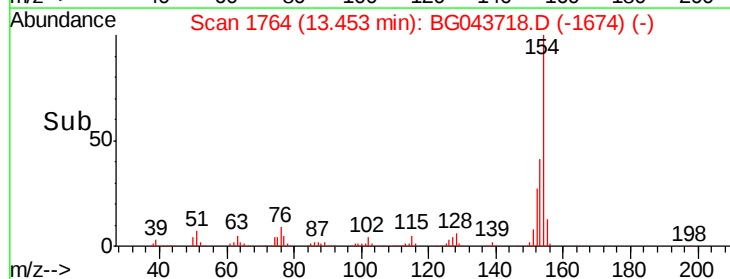
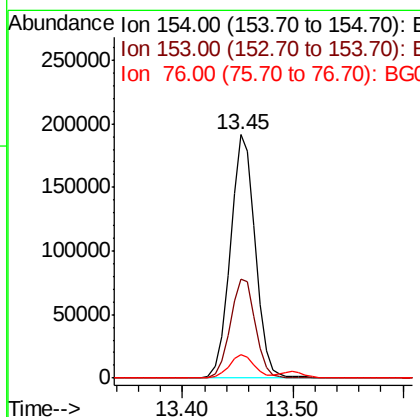
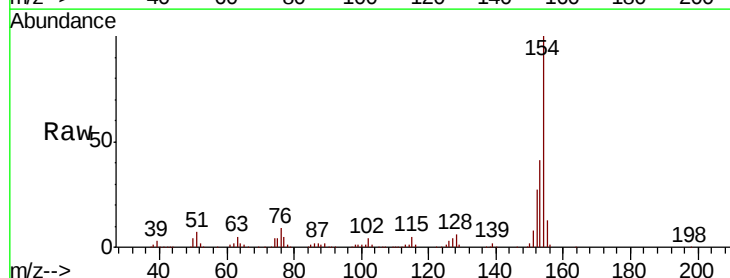
Manual Integrations
APPROVED

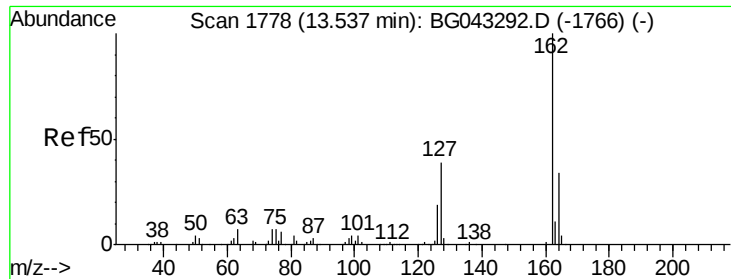
mohammad
11/21/2019 9:04:19 AM



#46
1,1'-Biphenyl
Concen: 45.122 ng
RT: 13.45 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	22.6	62.6
76	9.4	0.0	29.1





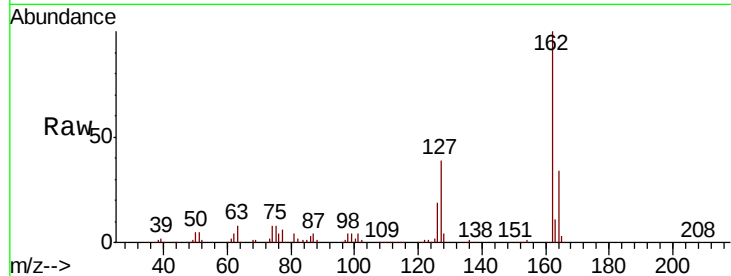
#47
2-Chloronaphthalene
Concen: 45.473 ng
RT: 13.50 min Scan# 1772
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

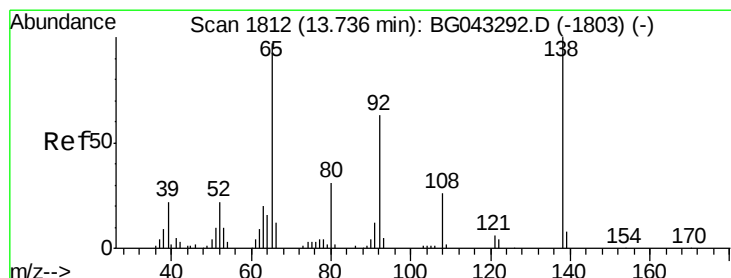
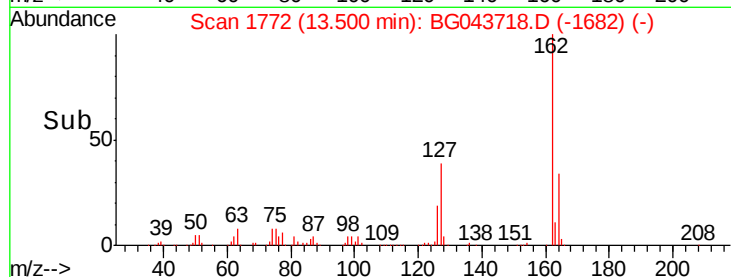
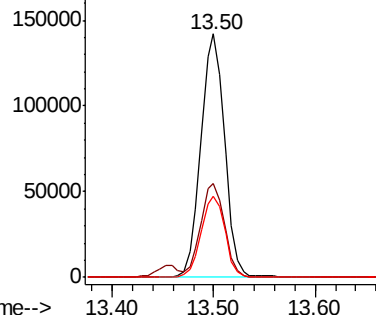
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.5	32.8	49.2
164	33.5	27.8	41.8

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM

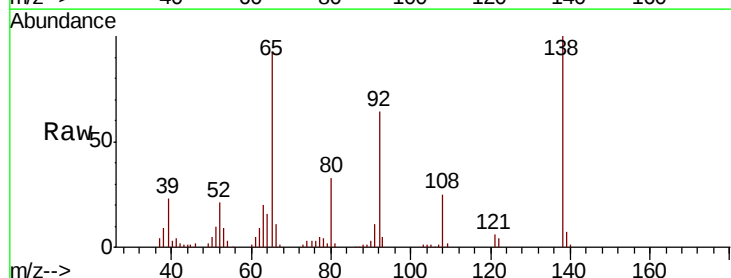


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

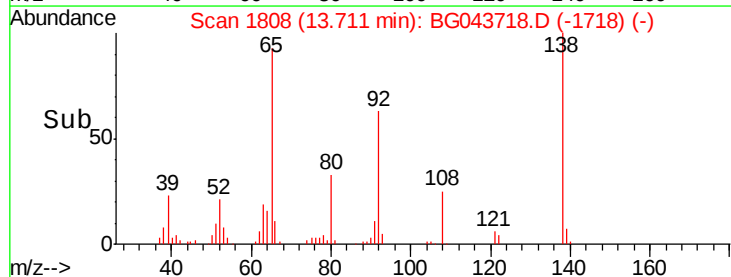
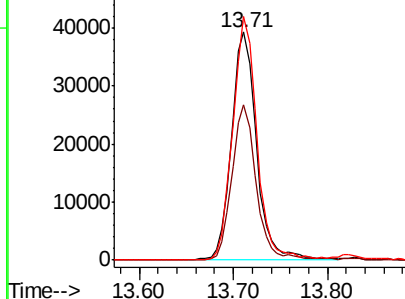


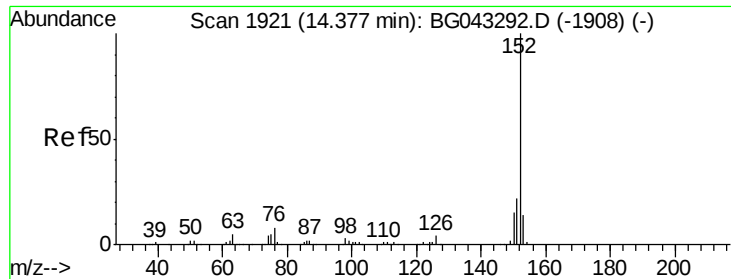
#48
2-Nitroaniline
Concen: 48.088 ng
RT: 13.71 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.2	54.9	82.3
138	107.0	85.0	127.6



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





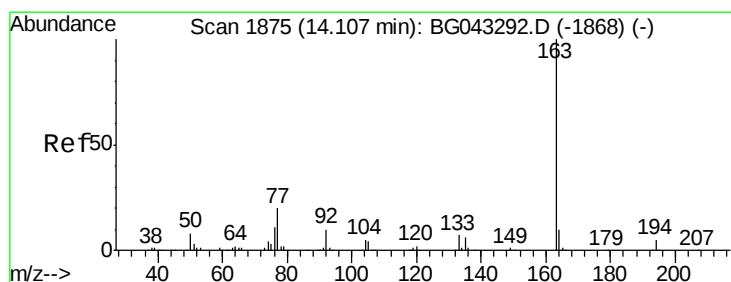
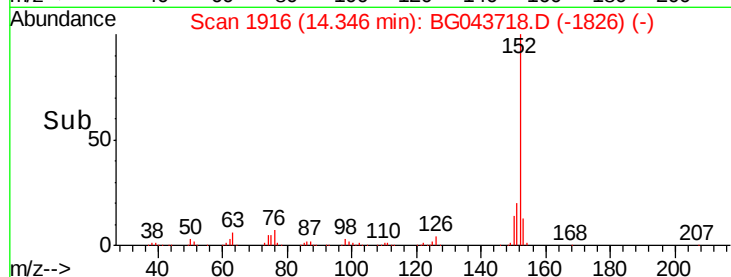
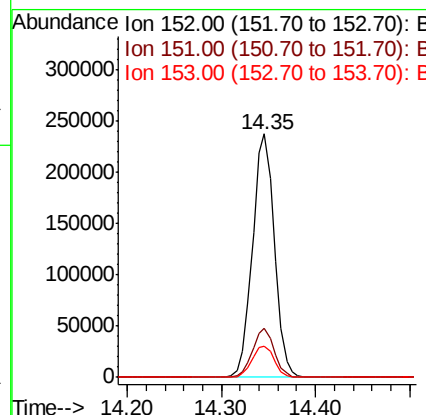
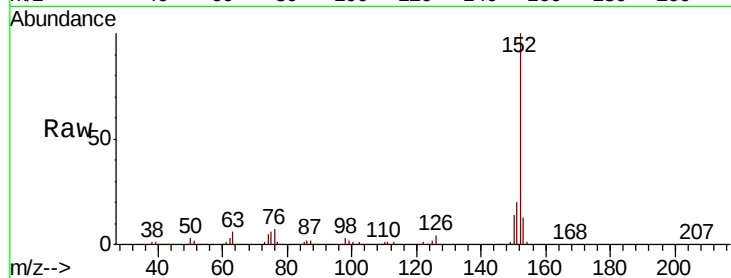
#49
Acenaphthylene
Concen: 48.480 ng
RT: 14.35 min Scan# 1916
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	12.9	11.0	16.4

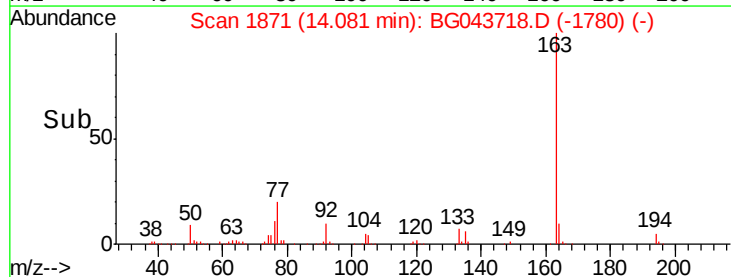
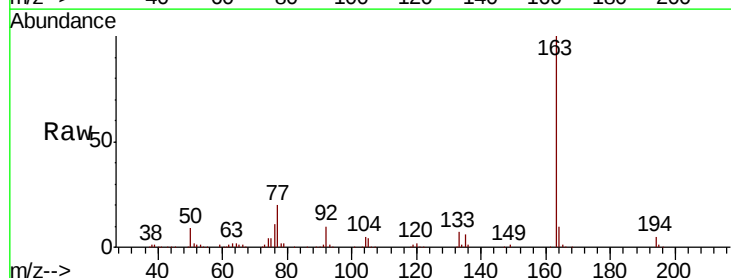
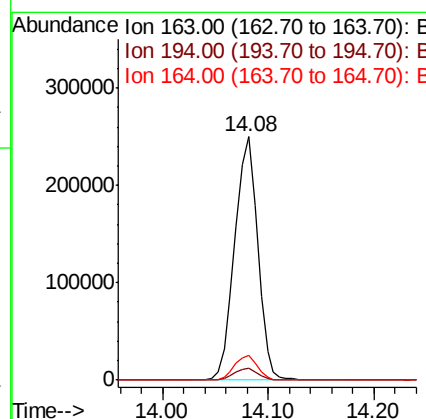
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#50
Dimethylphthalate
Concen: 55.235 ng
RT: 14.08 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	10.1	8.5	12.7





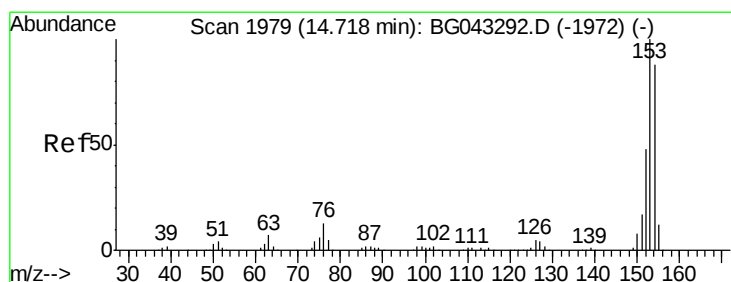
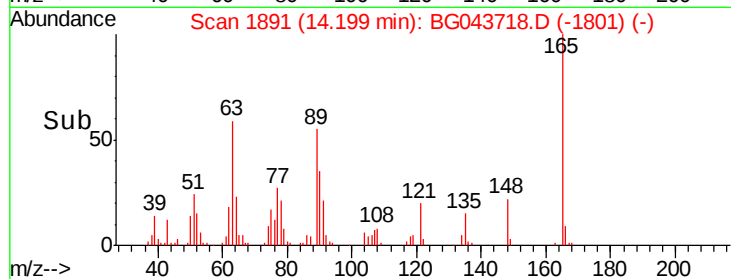
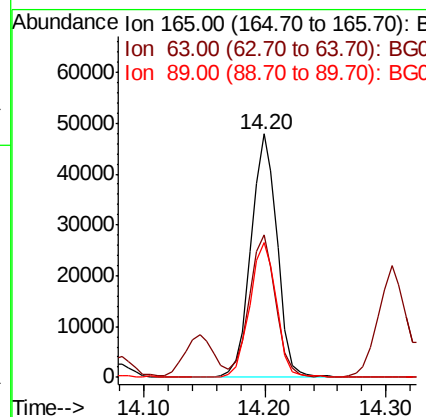
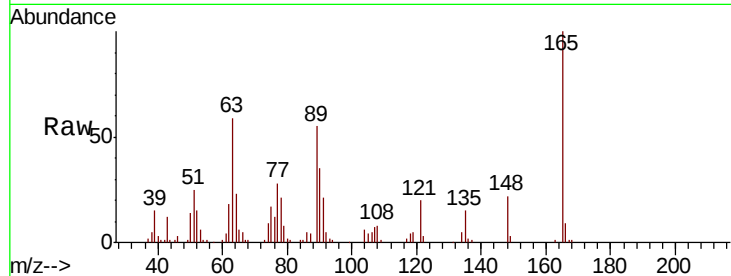
#51
 2,6-Dinitrotoluene
 Concen: 48.936 ng
 RT: 14.20 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.5	45.0	67.6
89	55.2	39.8	59.8

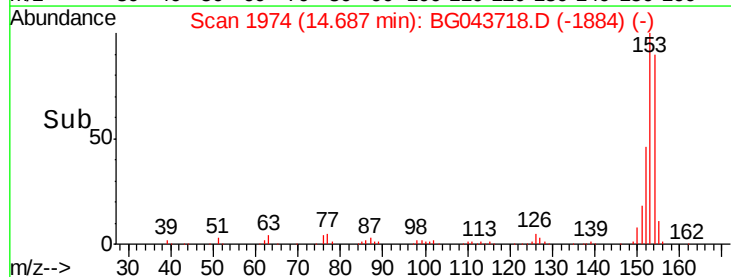
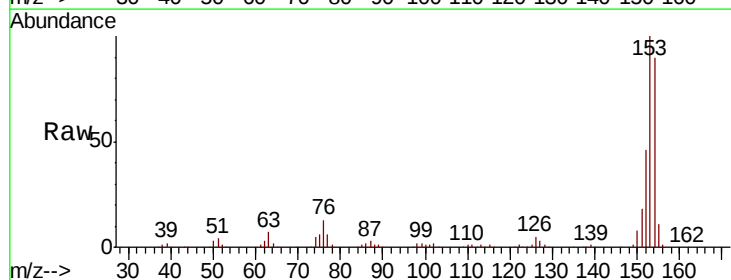
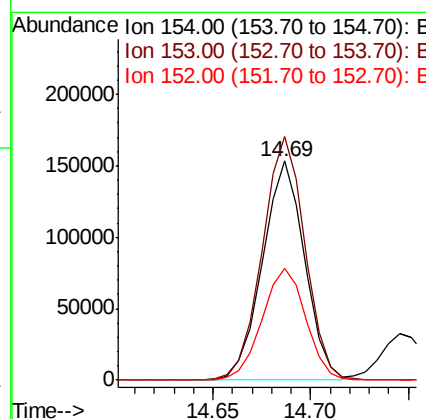
Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:04:19 AM



#52
 Acenaphthene
 Concen: 47.341 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.2	133.8
152	51.2	41.4	62.0





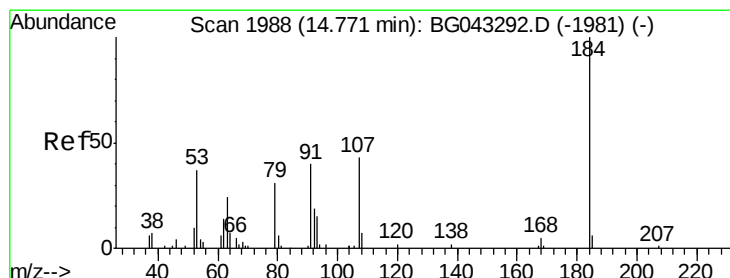
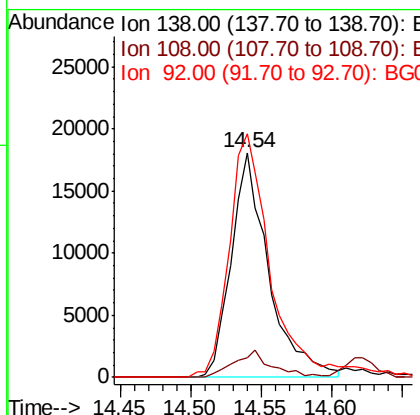
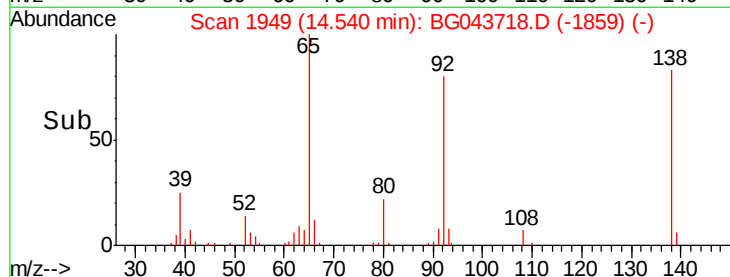
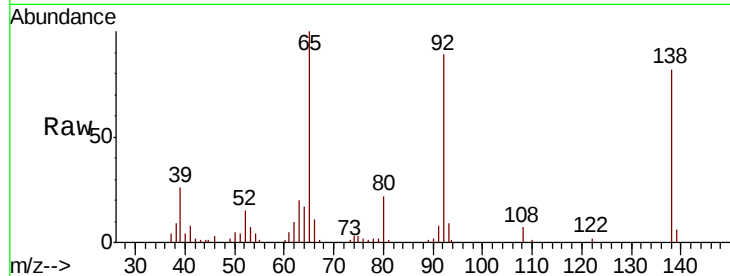
#53
3-Nitroaniline
Concen: 23.393 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	8.9	9.8	14.8#
92	108.5	88.1	132.1

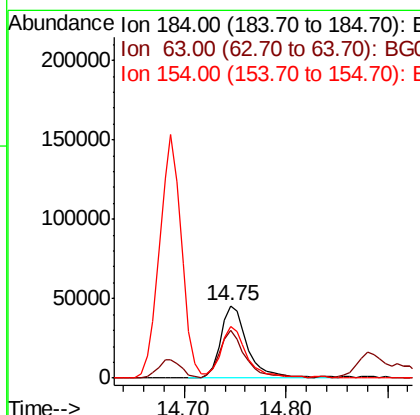
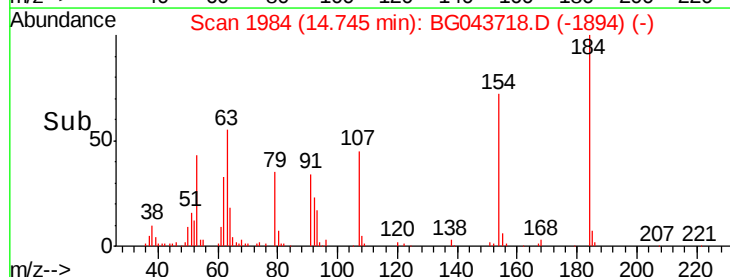
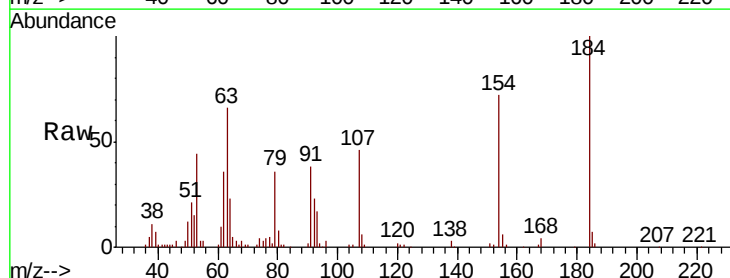
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#54
2,4-Dinitrophenol
Concen: 89.901 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.8	59.0	88.4
154	71.9	57.4	86.2





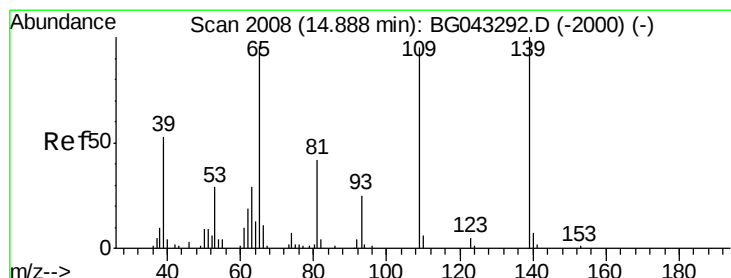
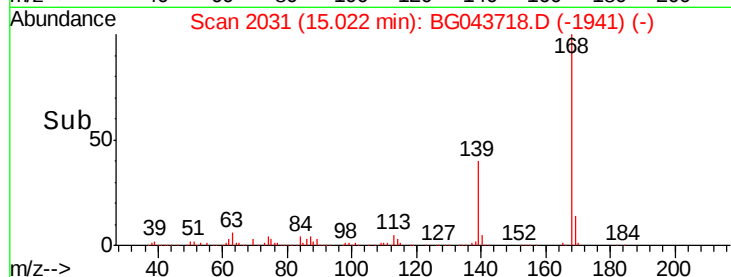
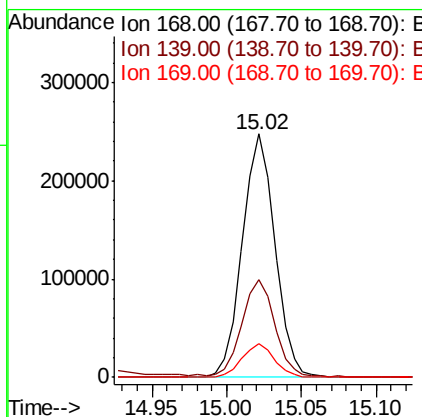
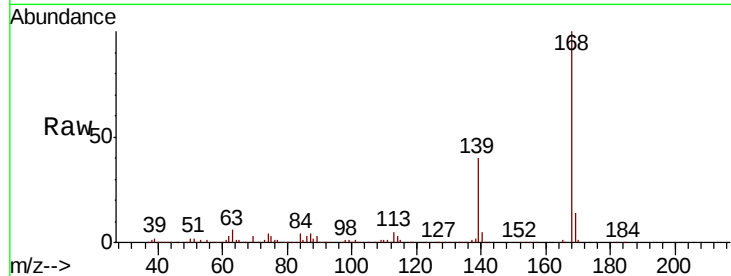
#55
Dibenzofuran
Concen: 47.952 ng
RT: 15.02 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.0	32.7	49.1
169	14.0	10.6	15.8

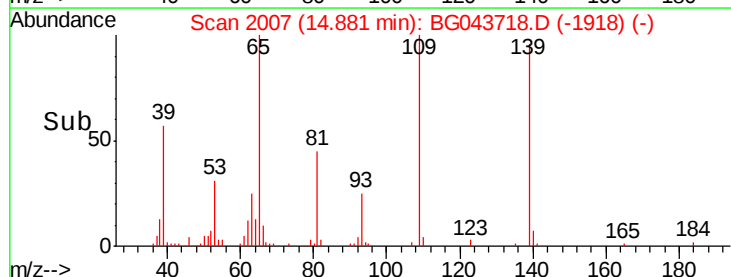
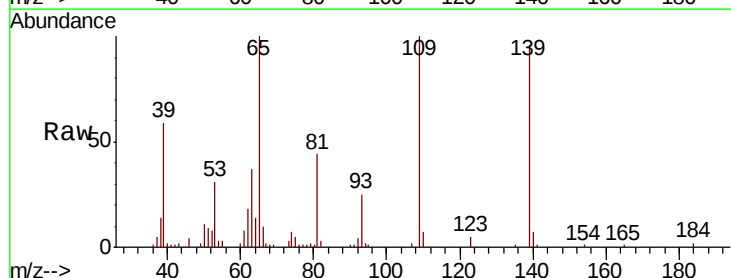
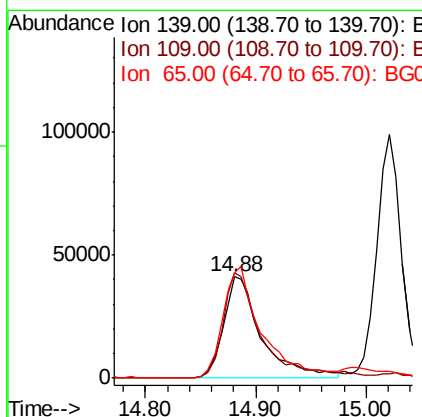
Manual Integrations
APPROVED

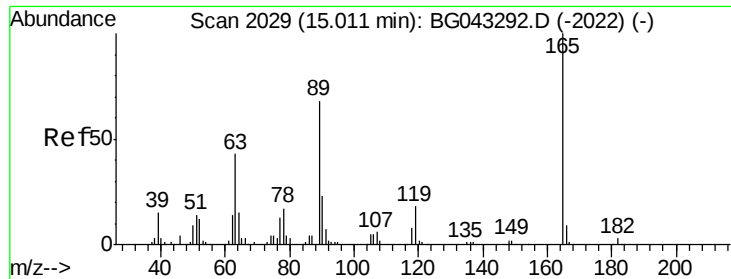
mohammad
11/21/2019 9:04:19 AM



#56
4-Nitrophenol
Concen: 103.962 ng
RT: 14.88 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	104.7	64.0	104.0#
65	104.6	75.6	115.6





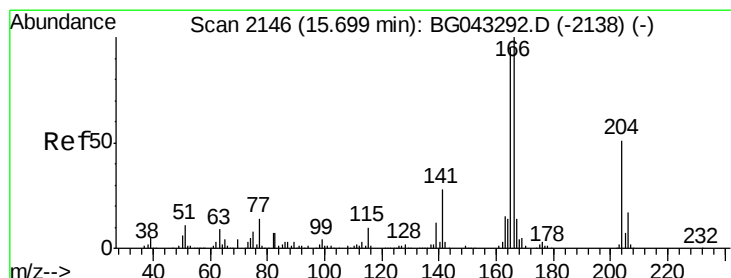
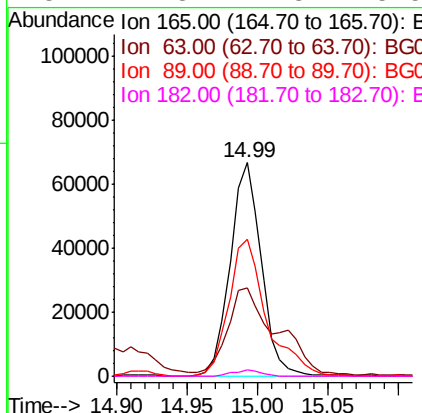
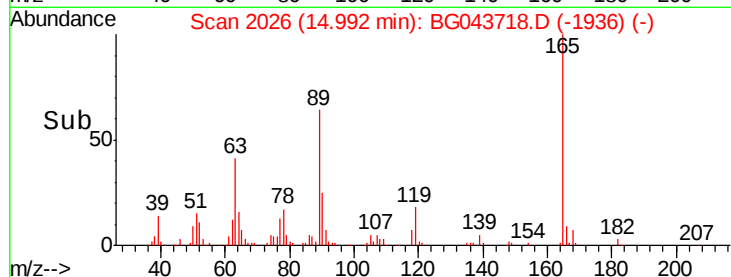
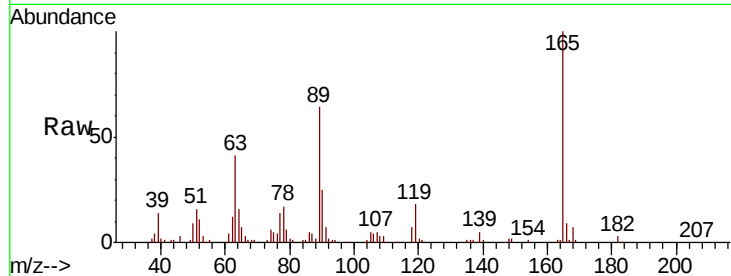
#57
2,4-Dinitrotoluene
Concen: 48.538 ng
RT: 14.99 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	41.4	37.4	56.0
89	64.3	50.9	76.3
182	2.8	2.3	3.5

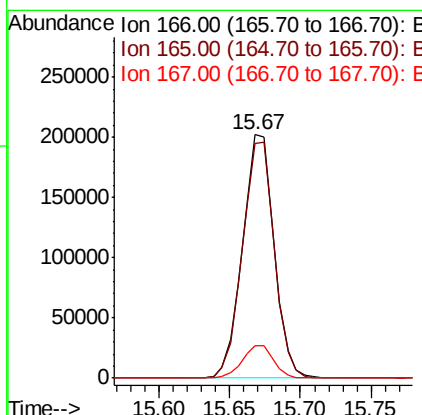
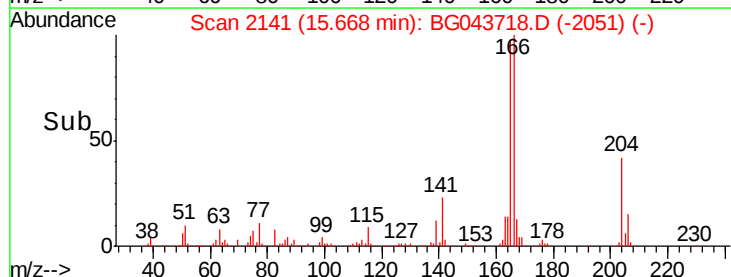
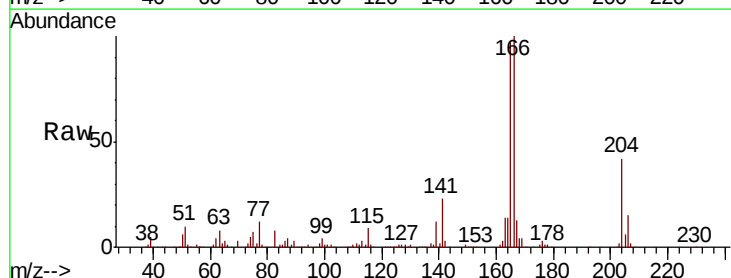
Manual Integrations
APPROVED

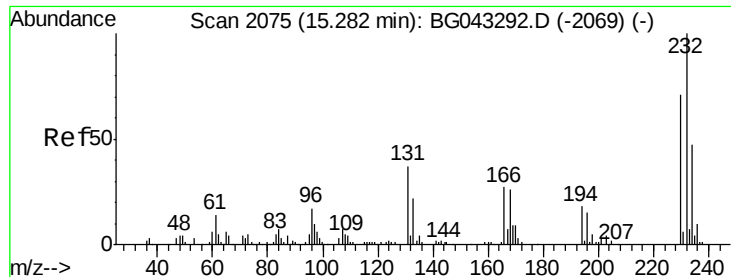
mohammad
11/21/2019 9:04:19 AM



#58
Fluorene
Concen: 48.307 ng
RT: 15.67 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	96.6	78.4	117.6
167	13.2	11.2	16.8





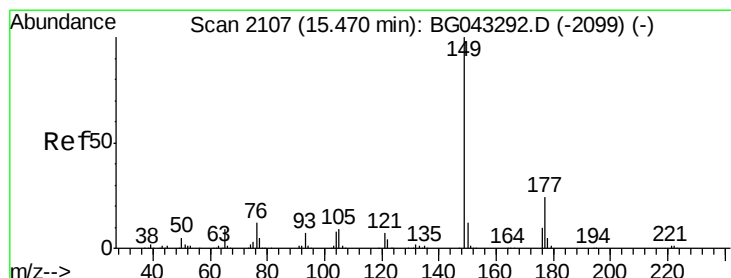
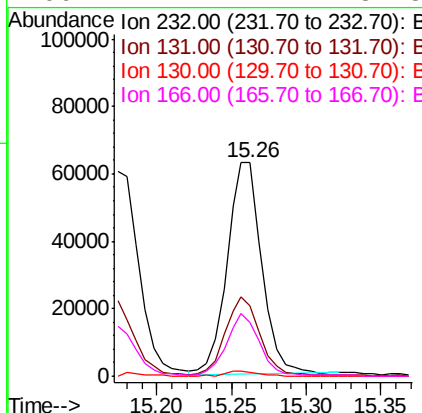
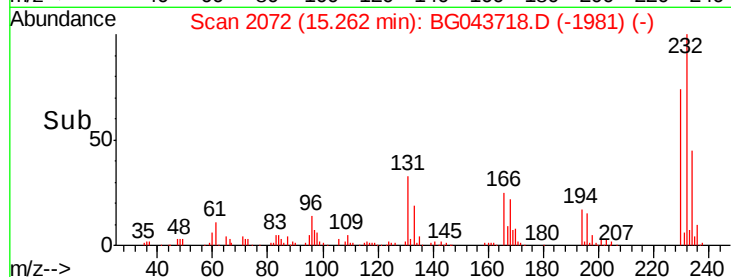
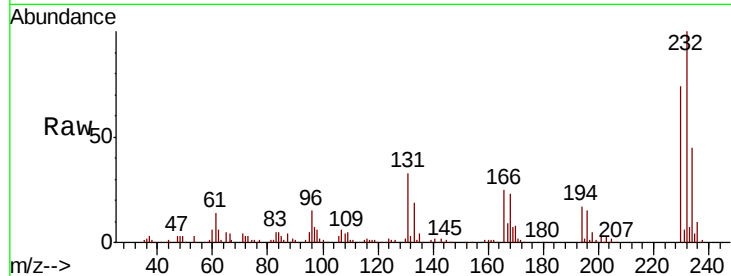
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.082 ng
 RT: 15.26 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	37.0	29.6	44.4	
130	2.6	1.4	2.0	
166	27.4	21.2	31.8	

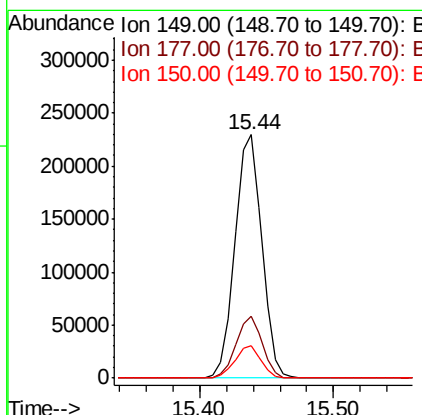
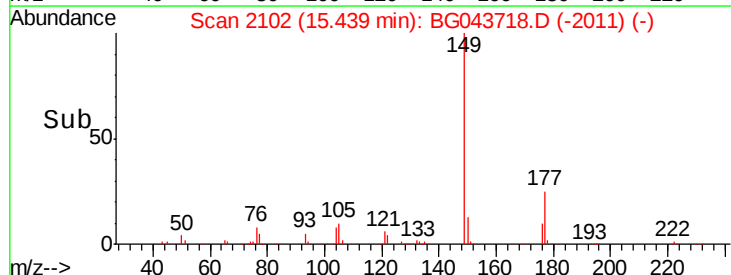
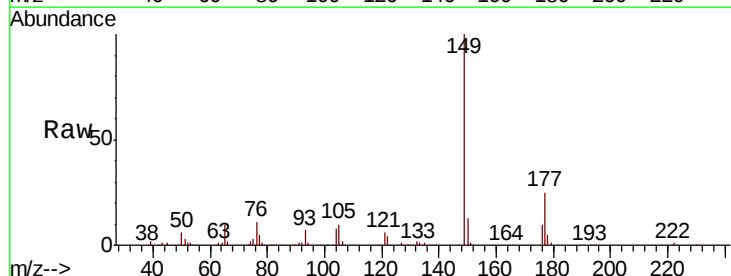
Manual Integrations
 APPROVED

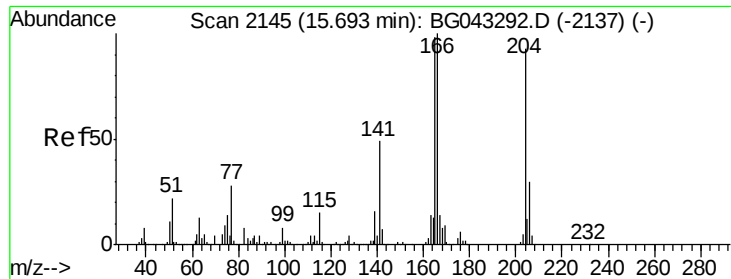
mohammad
 11/21/2019 9:04:19 AM



#60
 Diethylphthalate
 Concen: 46.984 ng
 RT: 15.44 min Scan# 2102
 Delta R.T. 0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	25.4	19.3	28.9	
150	13.3	10.5	15.7	





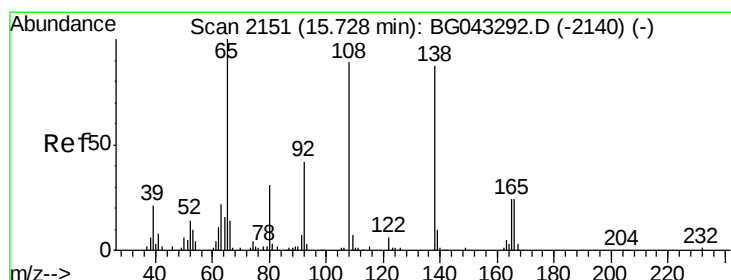
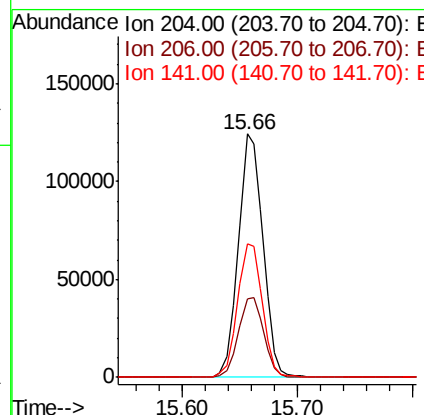
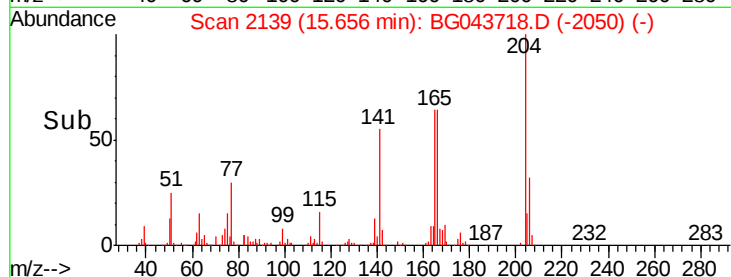
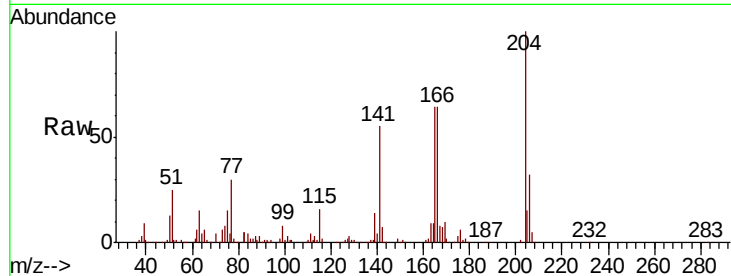
#61
4-Chlorophenyl-phenylether
Concen: 47.824 ng
RT: 15.66 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion:	204	Resp:	183195
Ion Ratio		Lower	Upper
204	100		
206	32.2	28.2	42.4
141	54.7	44.5	66.7

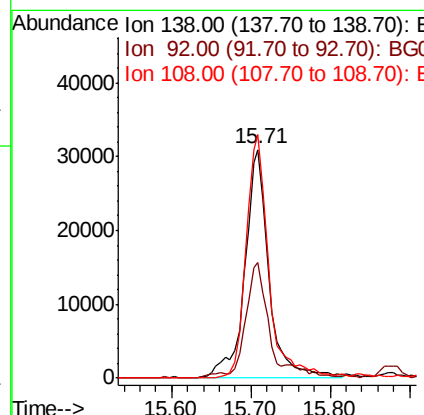
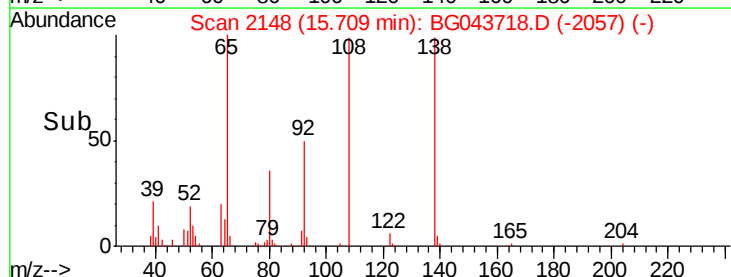
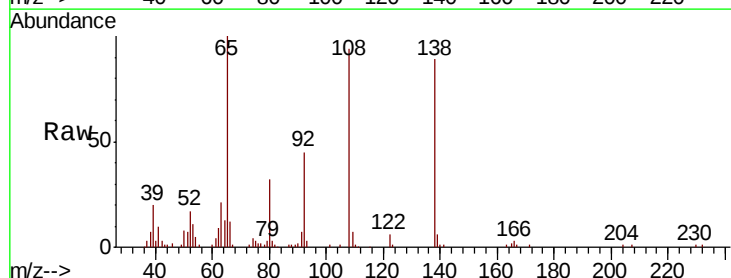
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#62
4-Nitroaniline
Concen: 44.419 ng
RT: 15.71 min Scan# 2148
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion:	138	Resp:	65493
Ion Ratio		Lower	Upper
138	100		
92	50.5	31.0	71.0
108	106.5	85.0	125.0





#63

Azobenzene

Concen: 48.709 ng

RT: 15.96 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

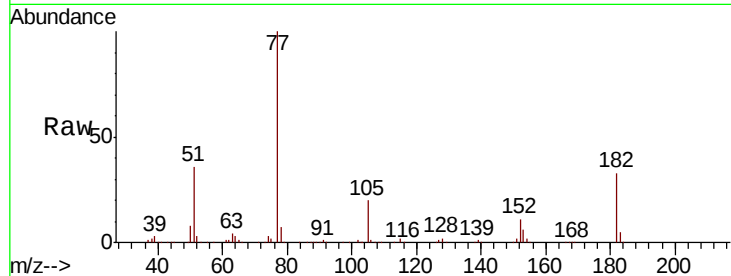
ClientSampleId :

OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	33.1	11.2	51.2
105	20.4	1.5	41.5
51	36.1	14.7	54.7

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



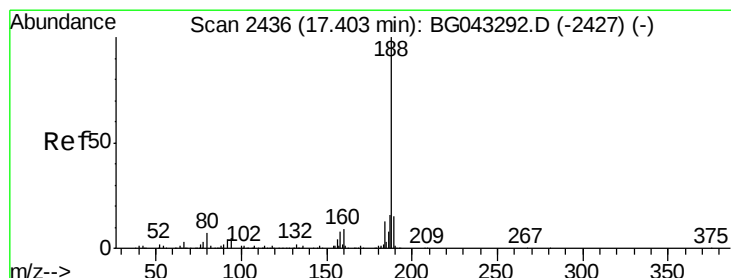
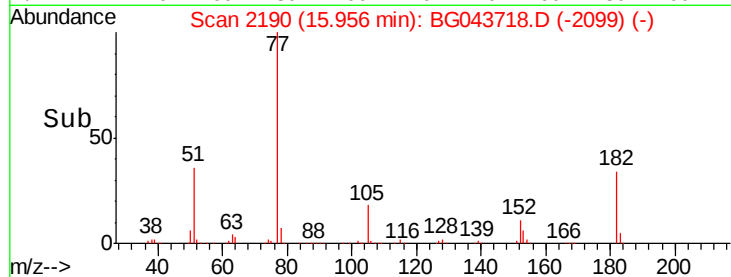
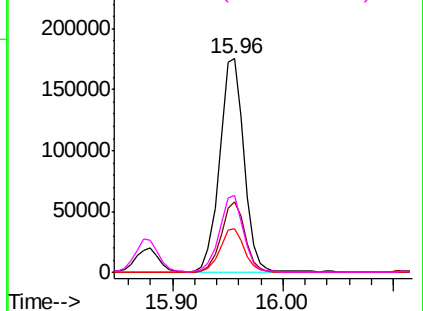
Abundance

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: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

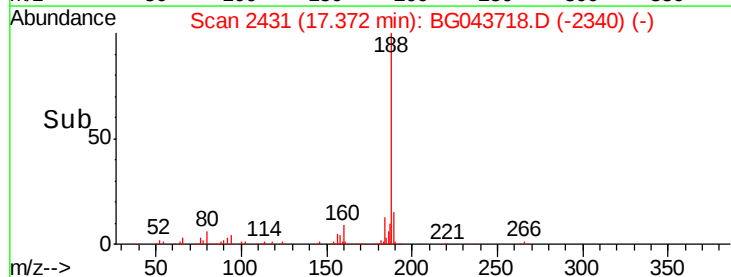
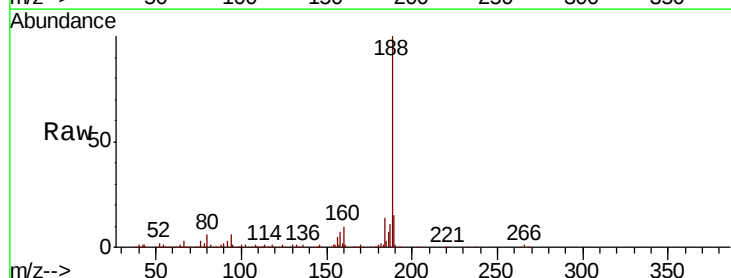
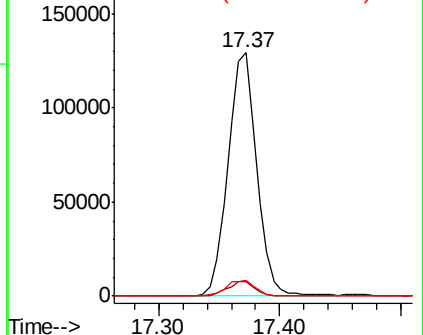
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.6	7.0
80	6.4	5.2	7.8

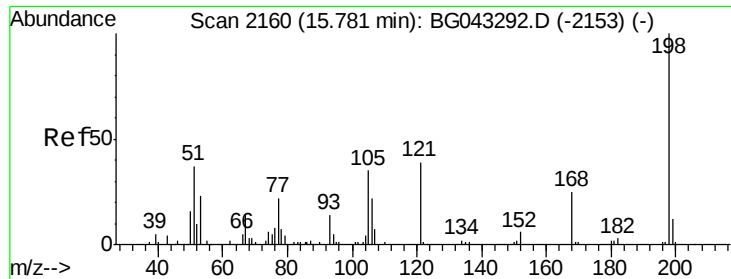
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





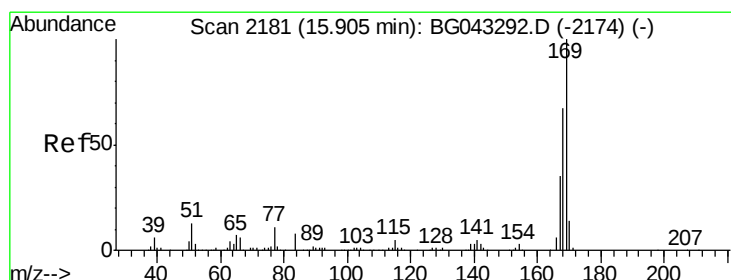
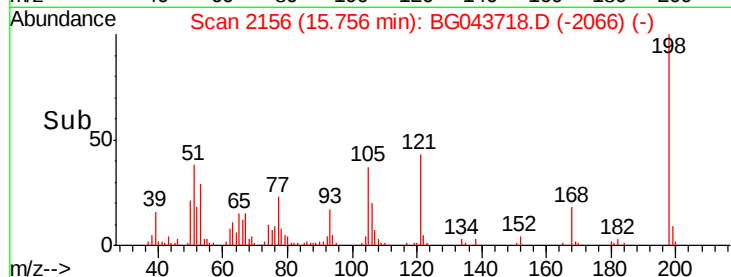
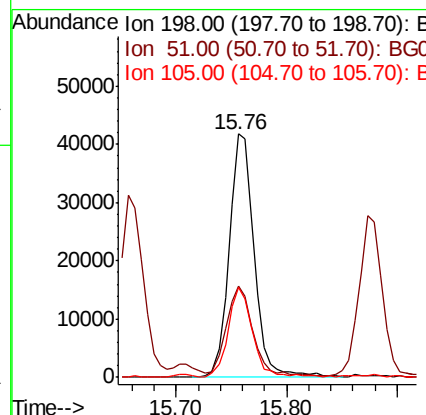
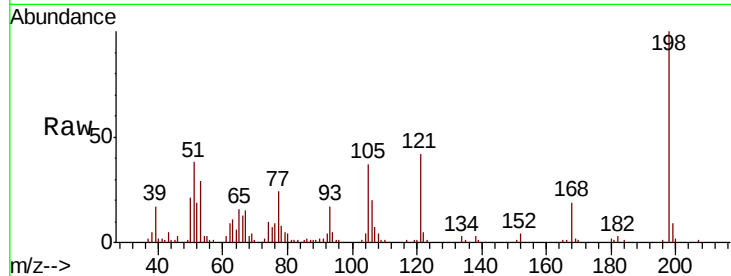
#65
4,6-Dinitro-2-methylphenol
Concen: 52.574 ng
RT: 15.76 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	37.7	17.3	57.3
105	37.0	13.9	53.9

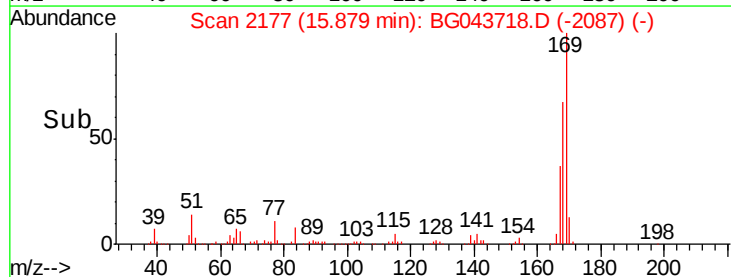
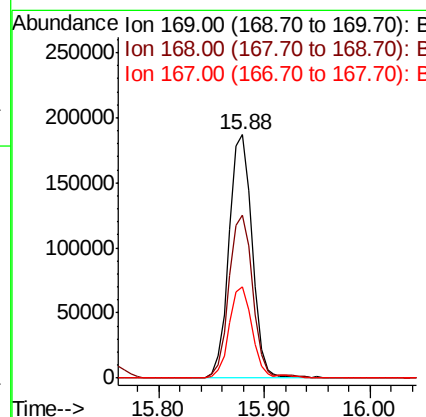
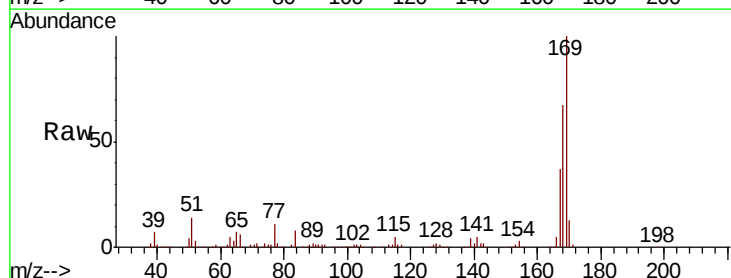
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#66
n-Nitrosodiphenylamine
Concen: 46.793 ng
RT: 15.88 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	56.2	84.4
167	37.5	29.8	44.8





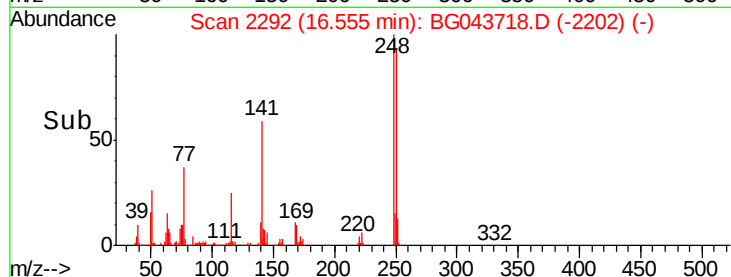
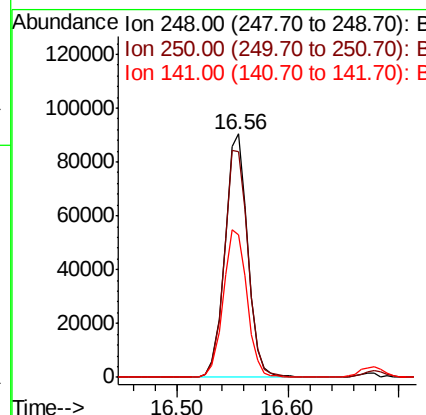
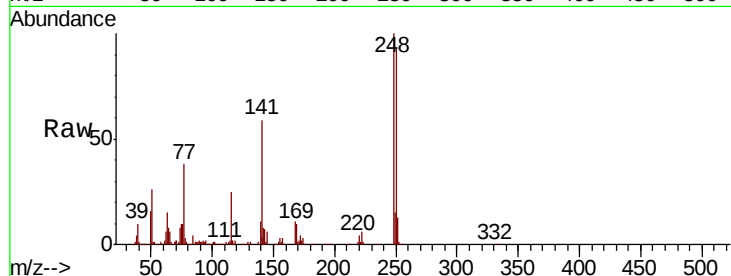
#67
4-Bromophenyl-phenylether
Concen: 45.038 ng
RT: 16.56 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	92.9	76.3	114.5
141	58.8	49.5	74.3

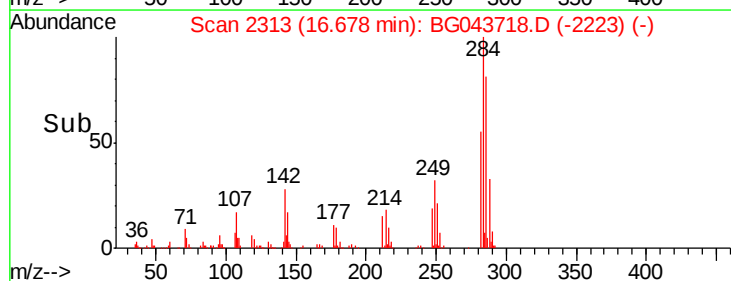
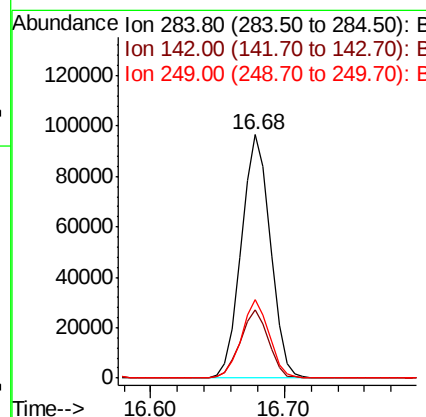
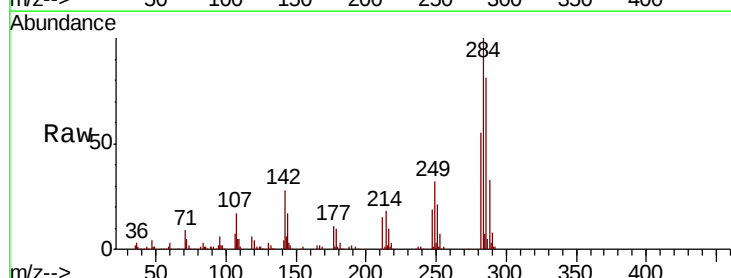
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#68
Hexachlorobenzene
Concen: 43.839 ng
RT: 16.68 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.1	23.2	34.8
249	32.2	27.0	40.4





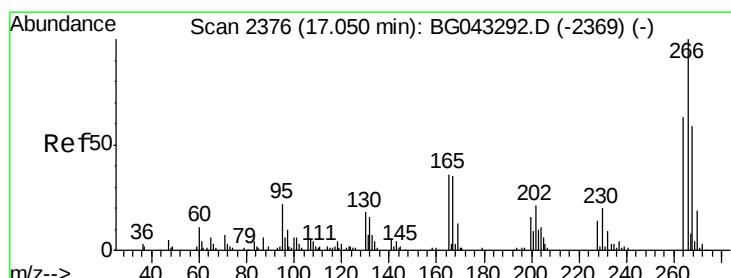
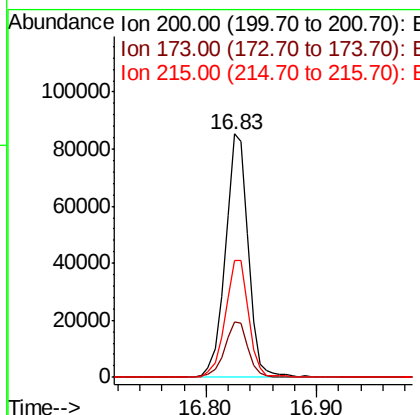
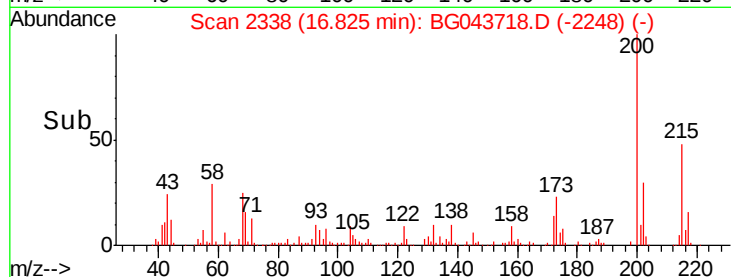
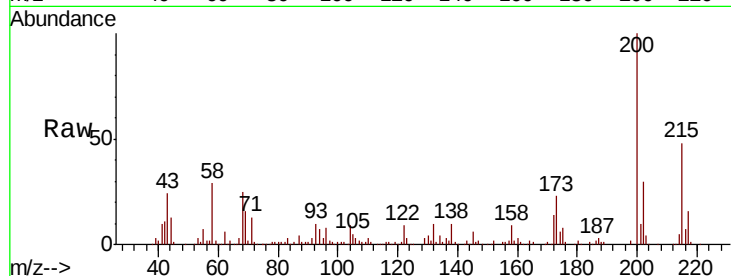
#69
Atrazine
Concen: 58.647 ng
RT: 16.83 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	22.6	5.1	45.1
215	47.9	29.8	69.8

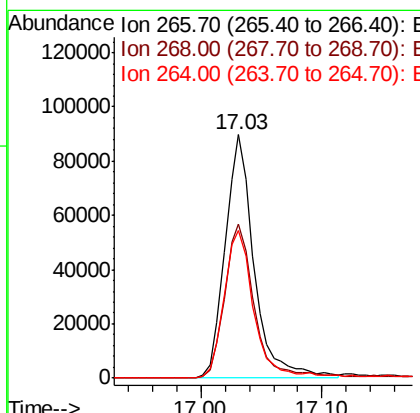
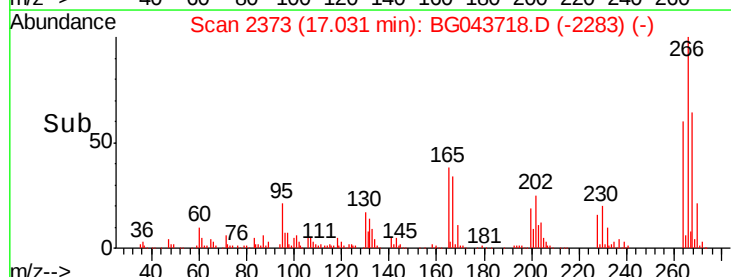
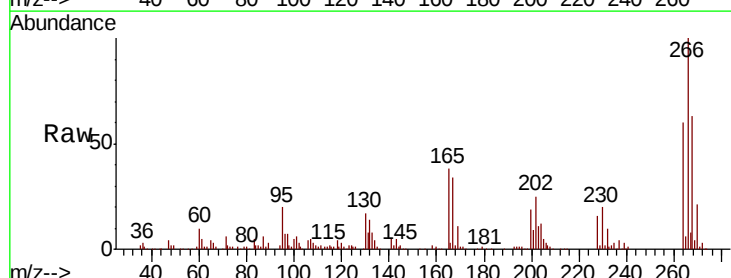
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#70
Pentachlorophenol
Concen: 99.194 ng
RT: 17.03 min Scan# 2373
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.4	53.2	79.8
264	60.4	48.9	73.3





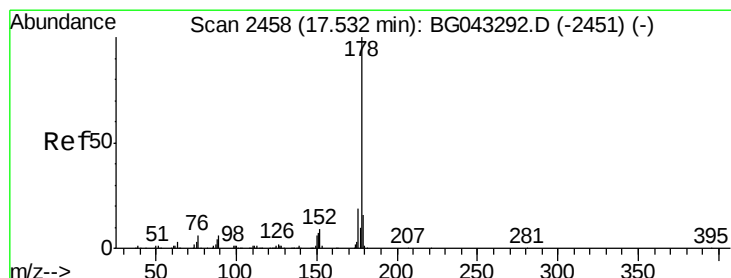
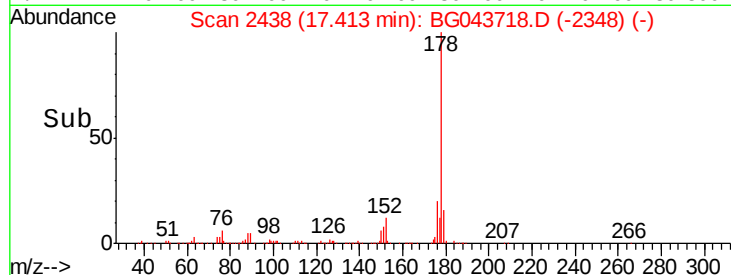
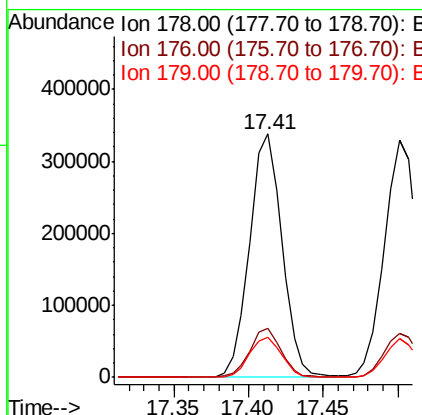
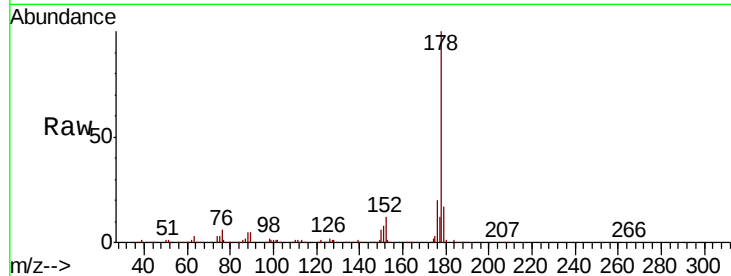
#71
Phenanthrene
Concen: 46.262 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.0	22.4
179	16.5	13.0	19.4

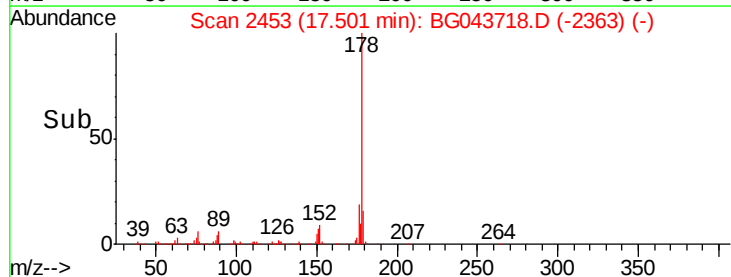
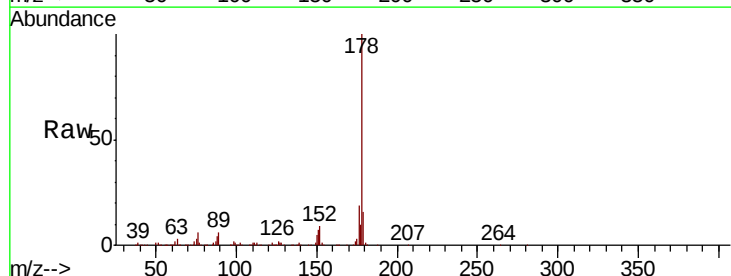
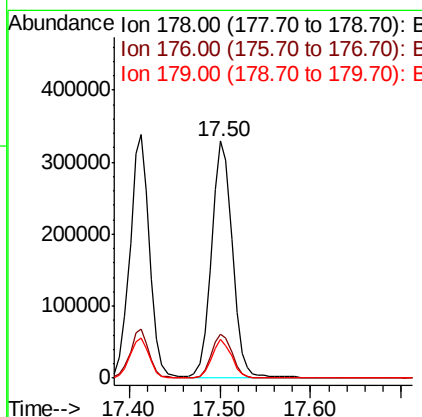
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#72
Anthracene
Concen: 47.731 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	16.3	13.3	19.9





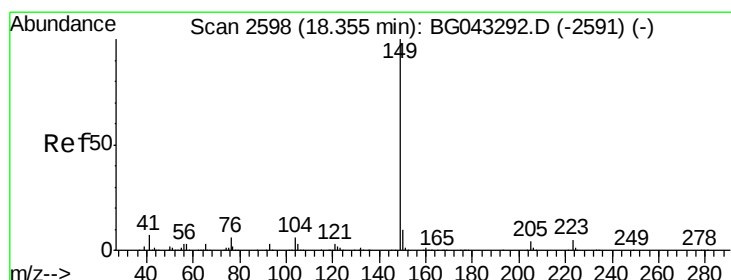
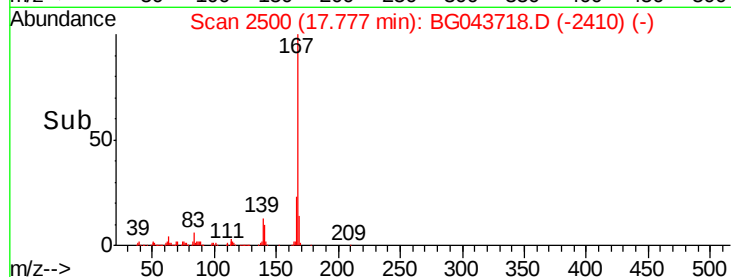
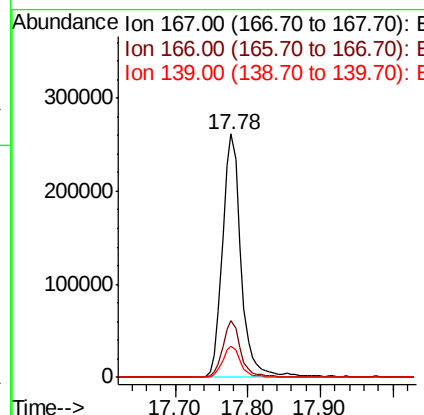
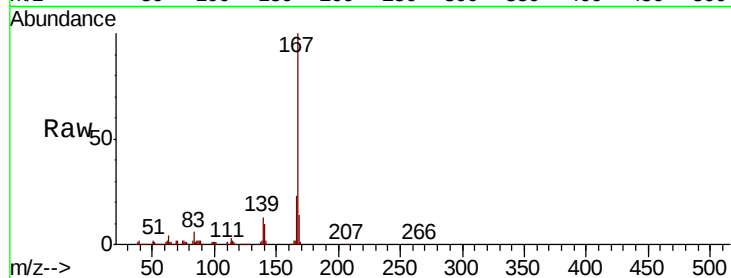
#73
 Carbazole
 Concen: 46.879 ng
 RT: 17.78 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.6	26.4
139	12.6	10.3	15.5

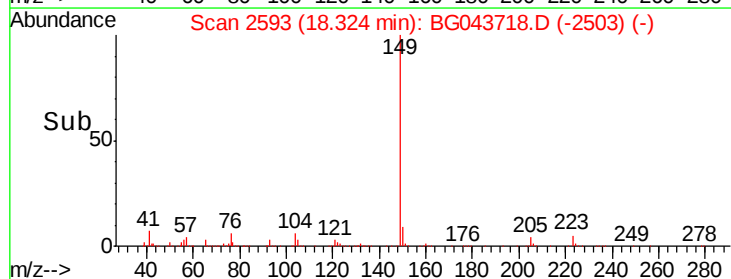
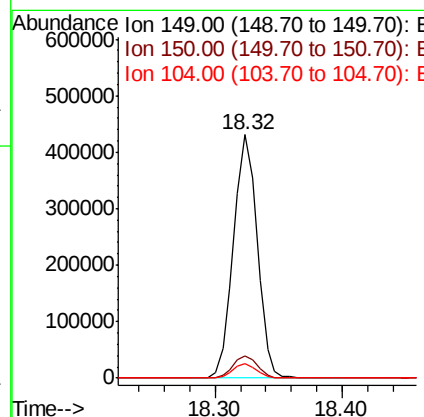
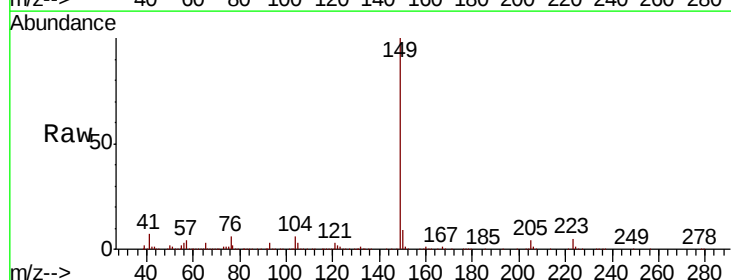
Manual Integrations
 APPROVED

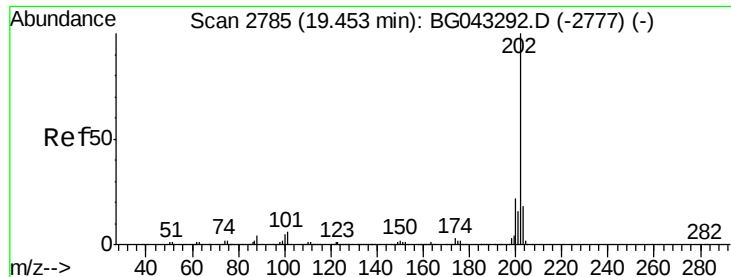
mohammad
 11/21/2019 9:04:19 AM



#74
 Di-n-butylphthalate
 Concen: 46.314 ng
 RT: 18.32 min Scan# 2593
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.6	11.4
104	6.0	4.7	7.1





#75

Fluoranthene

Concen: 47.678 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

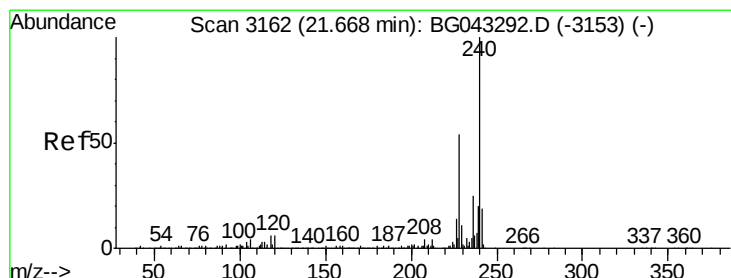
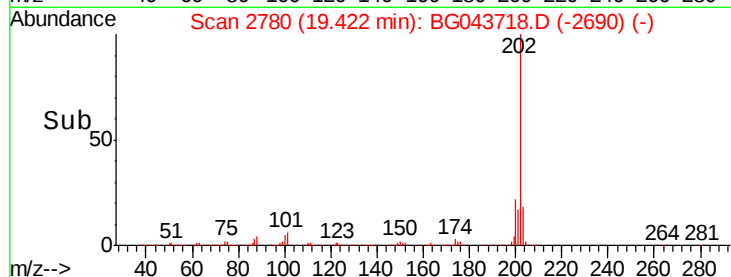
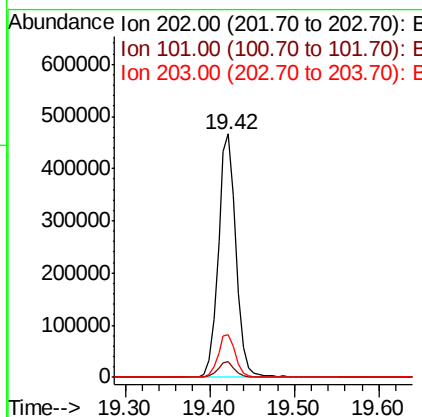
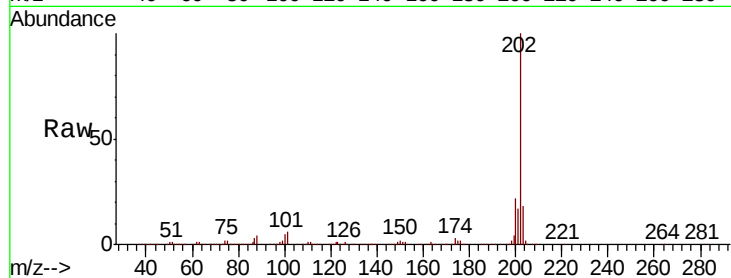
ClientSampleId :

OK-03-111219MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	682372		
101	6.3	0.0	25.6	
203	17.8	0.0	37.6	

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#76

Chrysene-d12

Concen: 20.000 ng

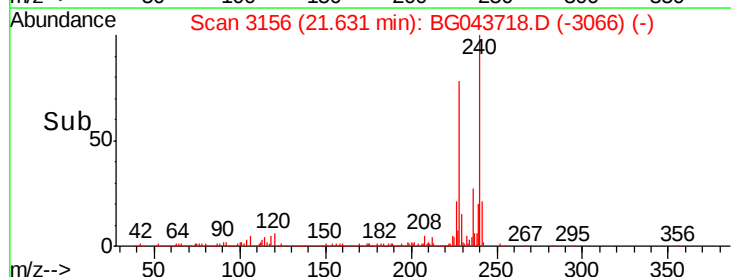
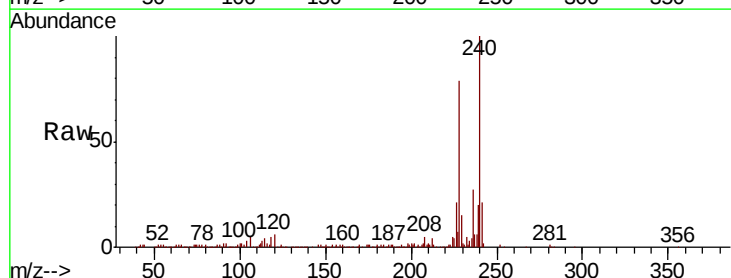
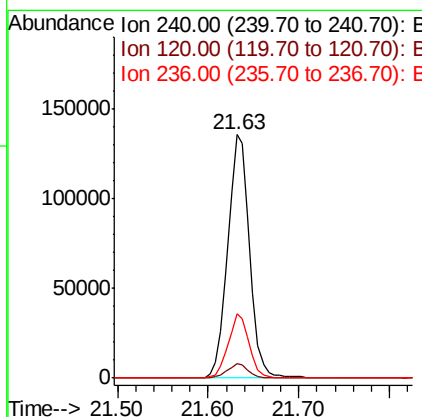
RT: 21.63 min Scan# 3156

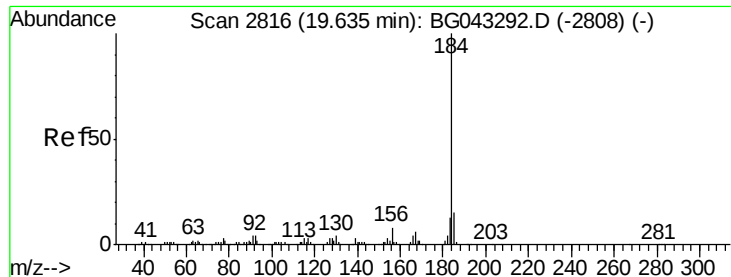
Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	226794		
120	5.7	4.9	7.3	
236	26.7	21.4	32.0	





#77

Benzidine

Concen: 6.720 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

ClientSampleId :

OK-03-111219MS

Tot Ion:184 Resp: 30671

Ion Ratio Lower Upper

184 100

185 19.5 12.7 19.1#

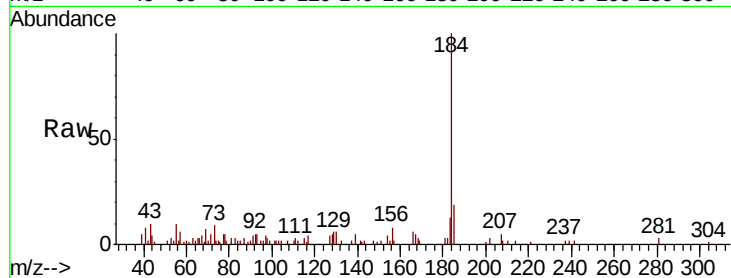
183 12.9 8.8 13.2

Manual Integrations

APPROVED

mohammad

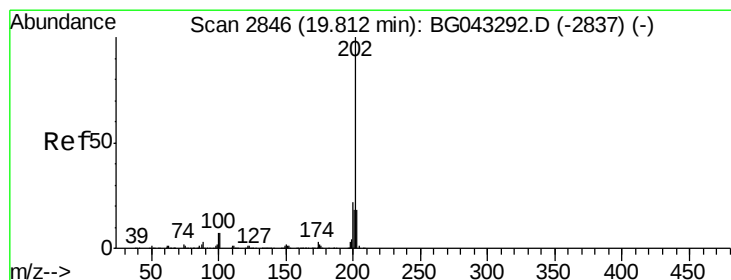
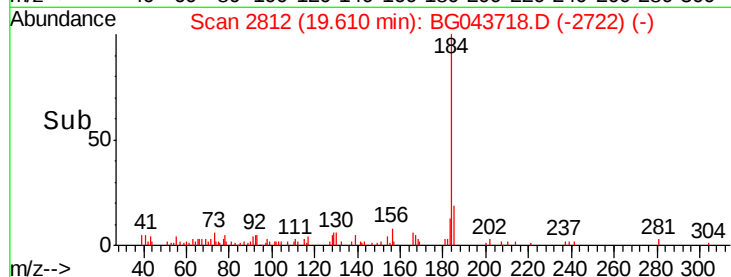
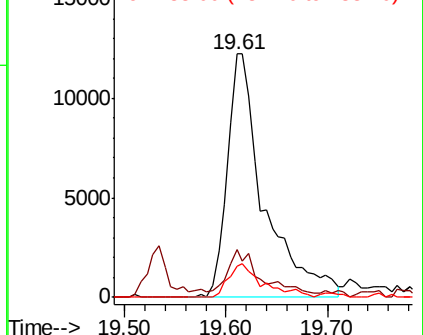
11/21/2019 9:04:19 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 48.318 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

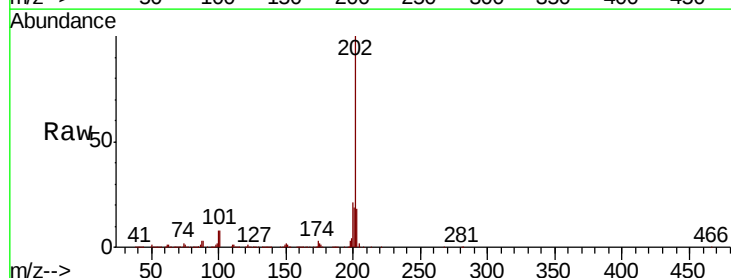
Tgt Ion:202 Resp: 678302

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

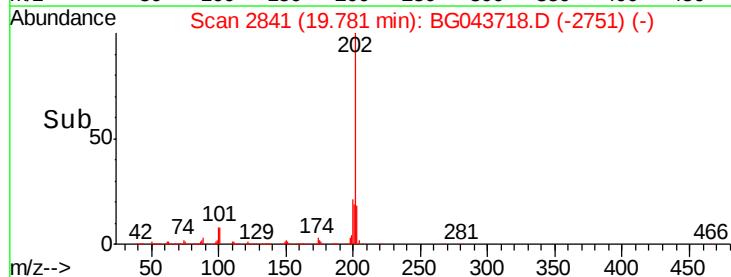
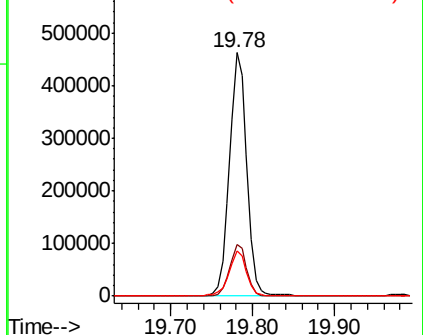
203 18.4 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





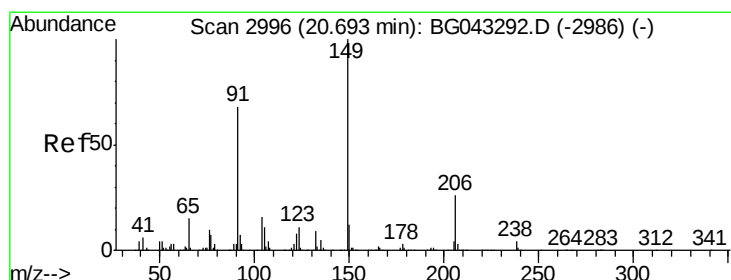
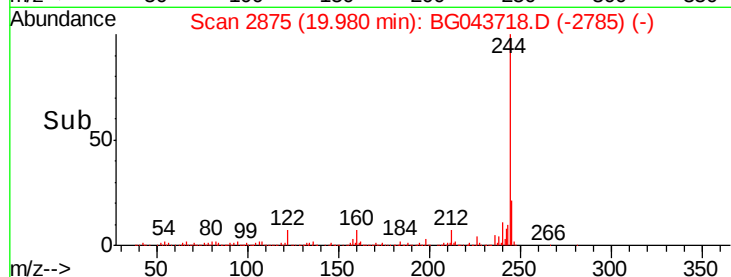
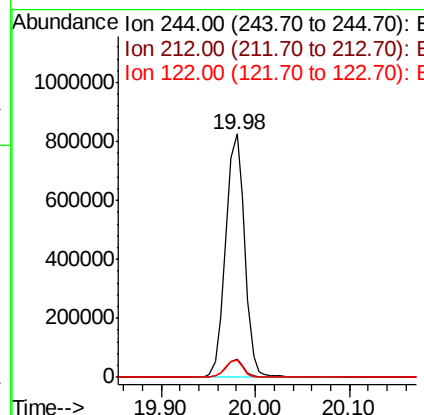
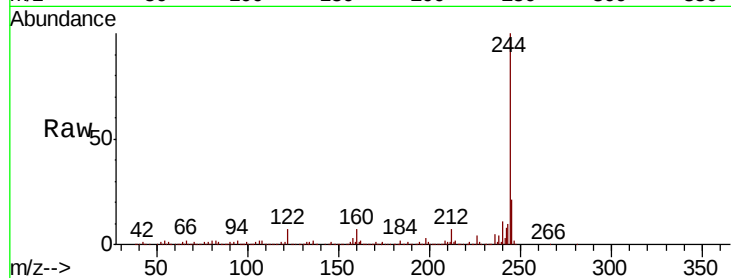
#79
 Terphenyl-d14
 Concen: 96.760 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	6.9	5.2	7.8

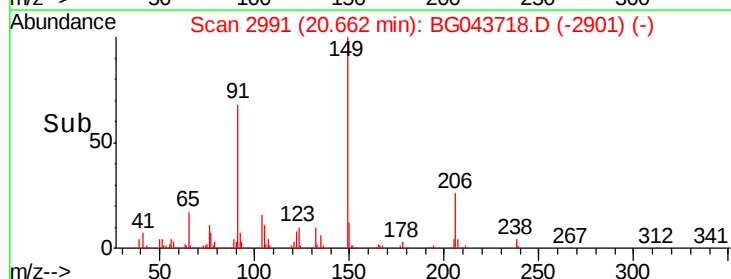
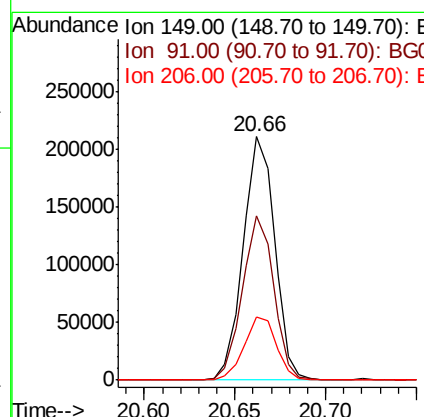
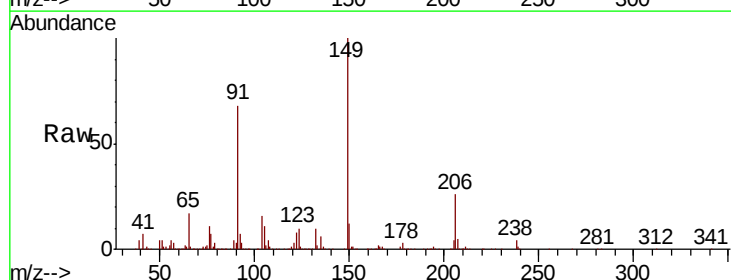
Manual Integrations
 APPROVED

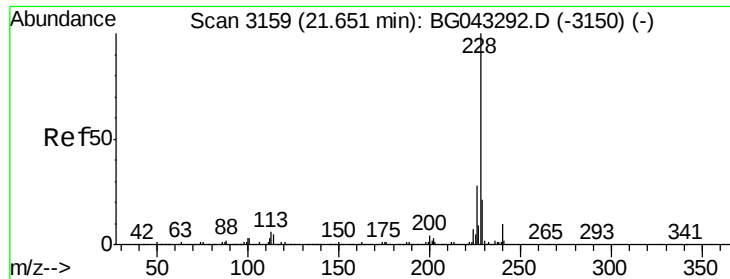
mohammad
 11/21/2019 9:04:19 AM



#80
 Butylbenzylphthalate
 Concen: 48.235 ng
 RT: 20.66 min Scan# 2991
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.7	55.4	83.0
206	26.0	20.2	30.4





#81

Benzo(a)anthracene

Concen: 48.802 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

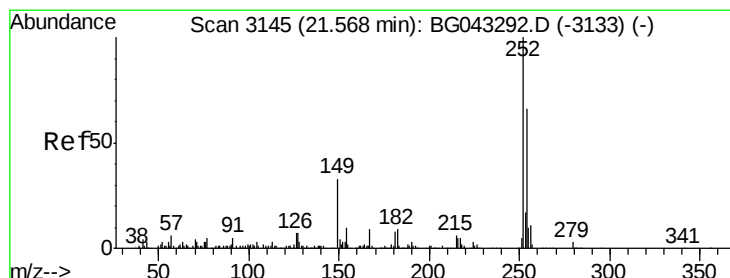
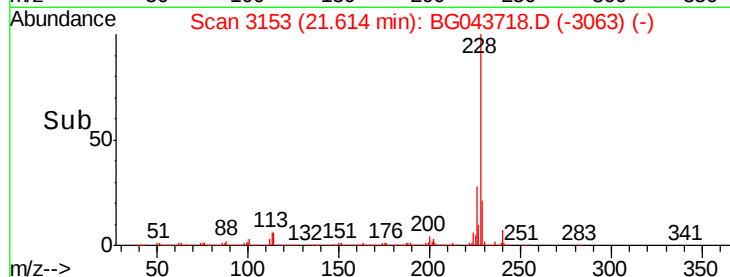
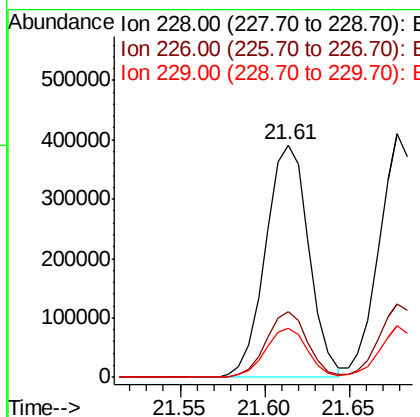
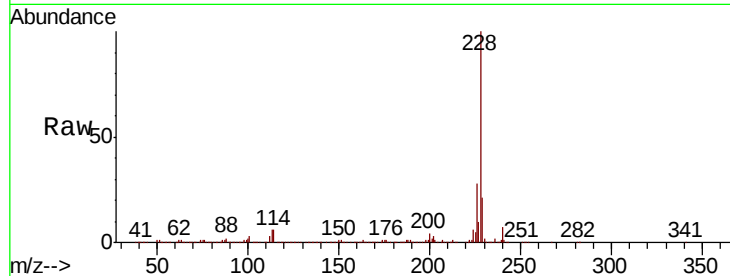
ClientSampleId :

OK-03-111219MS

Tot Ion:	228	Resp:	693297
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.8	32.6
229	20.9	15.9	23.9

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#82

3,3'-Dichlorobenzidine

Concen: 26.617 ng

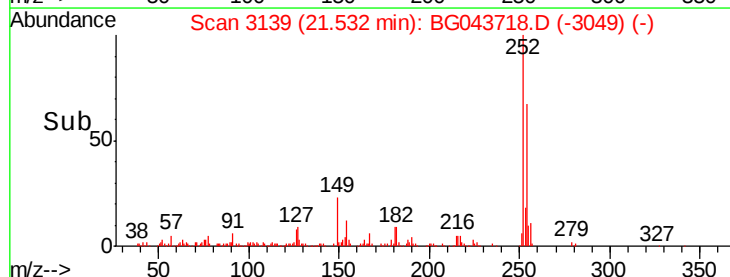
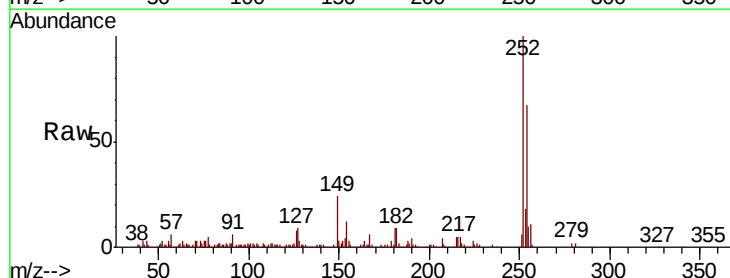
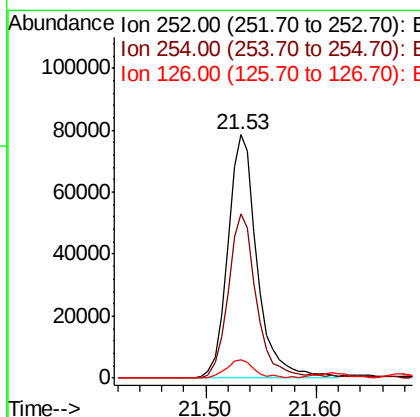
RT: 21.53 min Scan# 3139

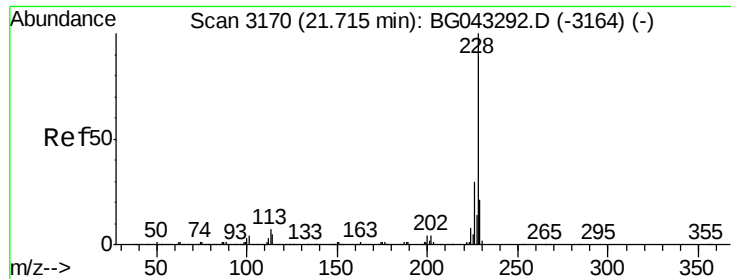
Delta R.T. -0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	252	Resp:	146254
Ion Ratio	Lower	Upper	
252	100		
254	67.5	50.2	75.4
126	7.7	5.4	8.0





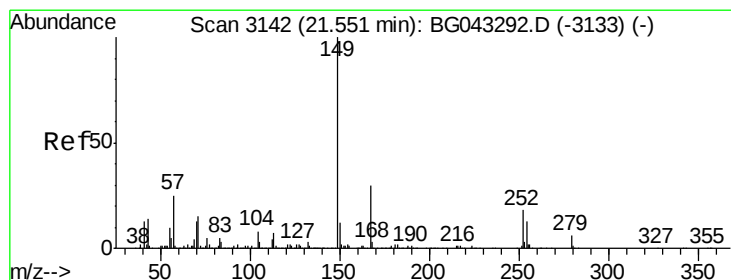
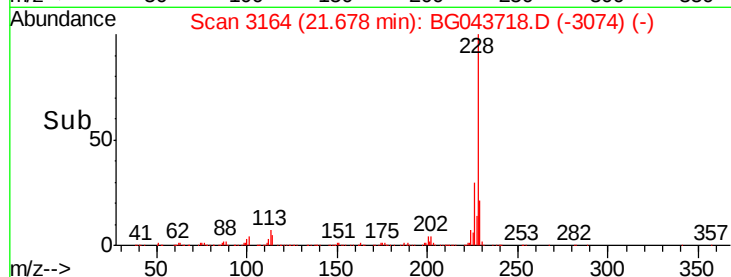
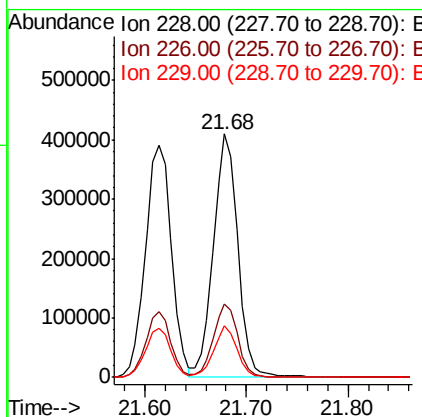
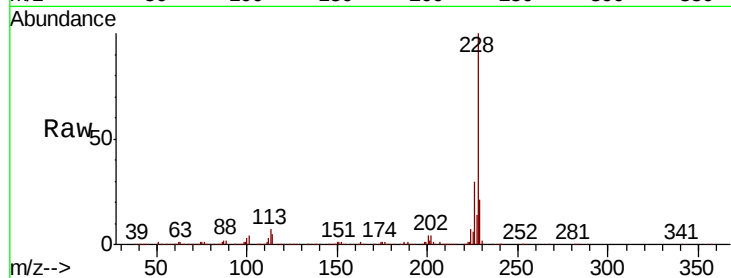
#83
 Chrvsene
 Concen: 48.227 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219MS

Tot Ion:	228	Resp:	680715
Ion Ratio		Lower	Upper
228	100		
226	30.2	23.3	34.9
229	21.3	16.5	24.7

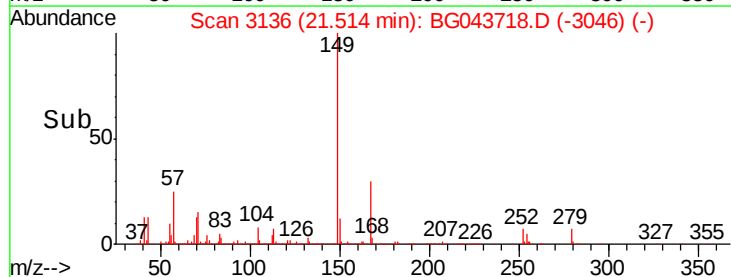
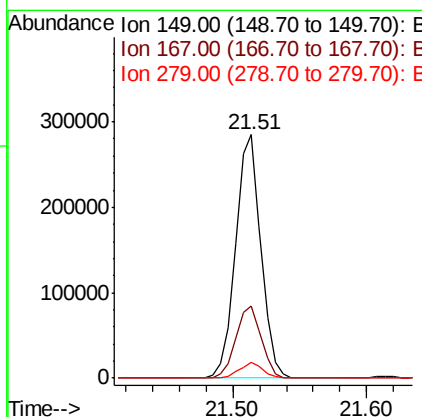
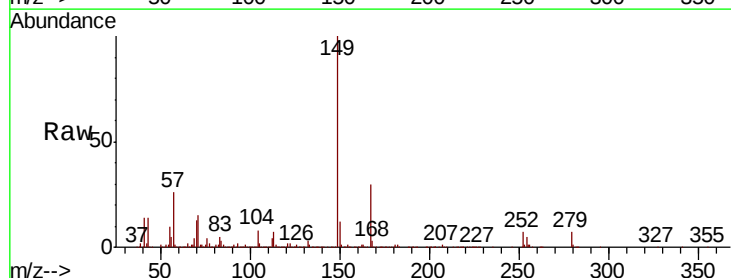
Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:04:19 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.548 ng
 RT: 21.51 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: BG043718.D
 Acq: 20 Nov 2019 5:20

Tgt Ion:	149	Resp:	374335
Ion Ratio		Lower	Upper
149	100		
167	29.8	24.8	37.2
279	6.6	5.4	8.0





#85

Di-n-octyl phthalate

Concen: 50.557 ng

RT: 22.70 min Scan# 3338

Delta R.T. -0.01 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

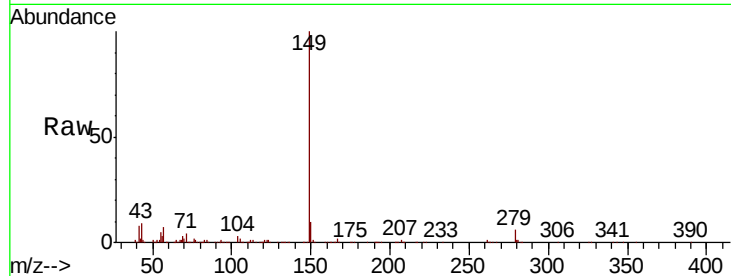
ClientSampleId :

OK-03-111219MS

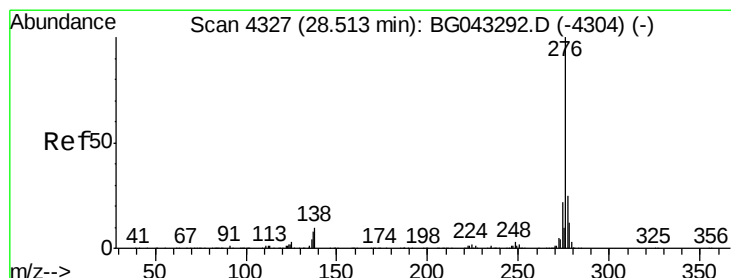
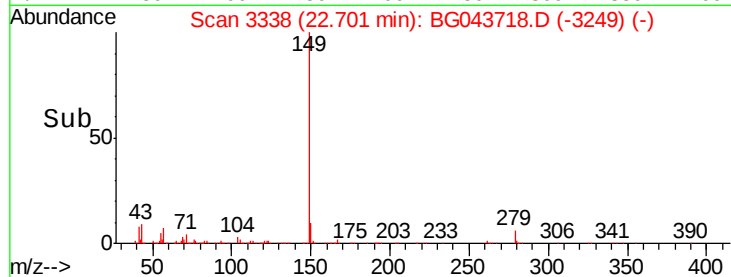
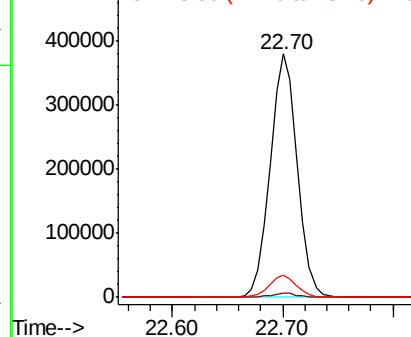
Tot Ion:	149	Resp:	648025
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.4	2.2
43	9.0	7.8	11.8

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.034 ng

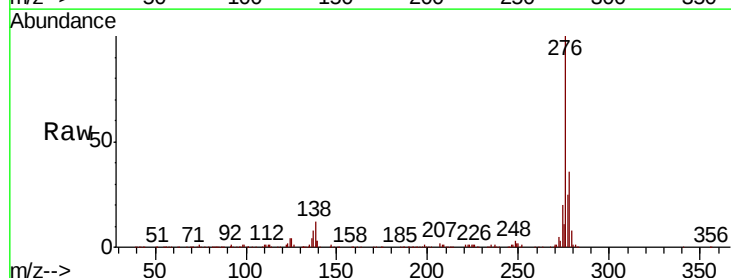
RT: 28.45 min Scan# 4316

Delta R.T. 0.01 min

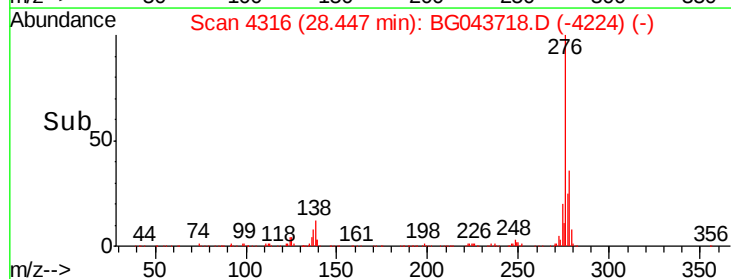
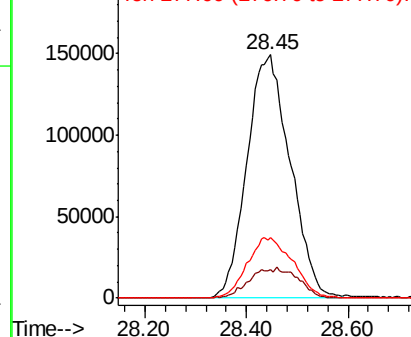
Lab File: BG043718.D

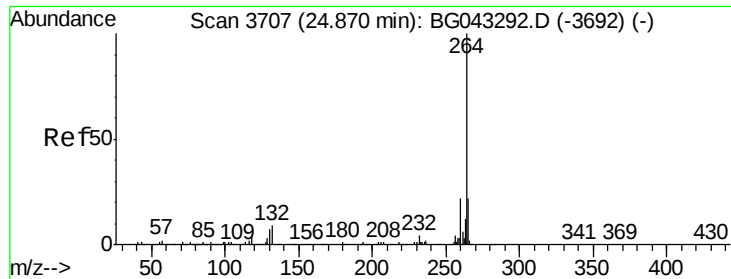
Acq: 20 Nov 2019 5:20

Tgt Ion:	276	Resp:	886486
Ion Ratio	Lower	Upper	
276	100		
138	14.0	11.3	16.9
277	26.1	20.6	31.0



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.80 min Scan# 3696

Delta R.T. -0.01 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Instrument :

BNA_G

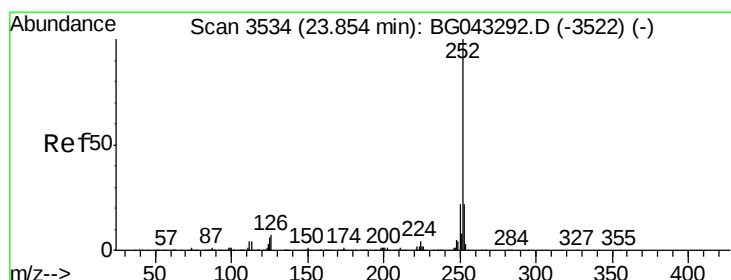
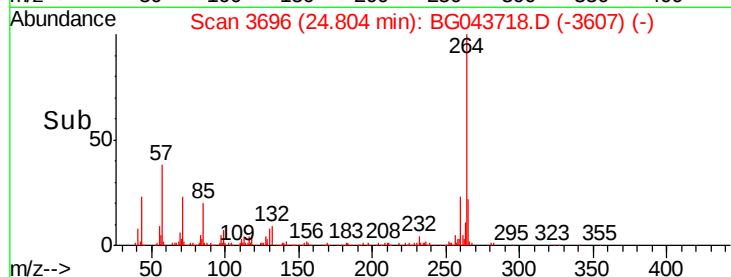
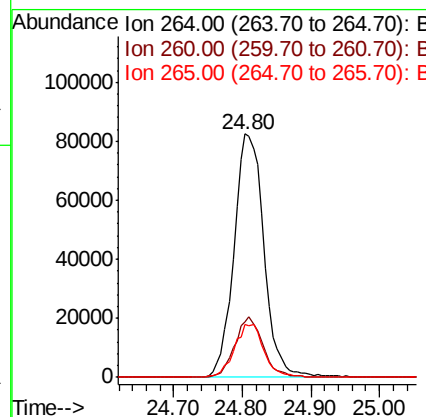
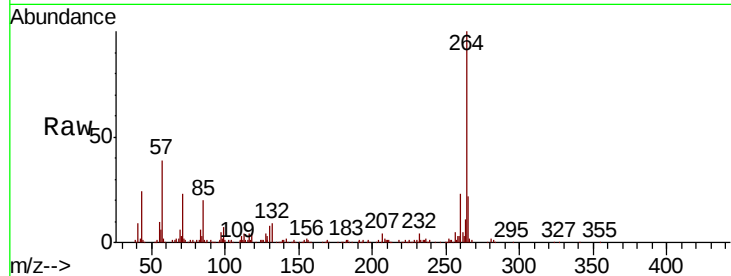
ClientSampleId :

OK-03-111219MS

Tot Ion:	264	Resp:	249954
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.4	27.6
265	21.7	15.8	23.8

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#88

Benzo(b)fluoranthene

Concen: 51.287 ng

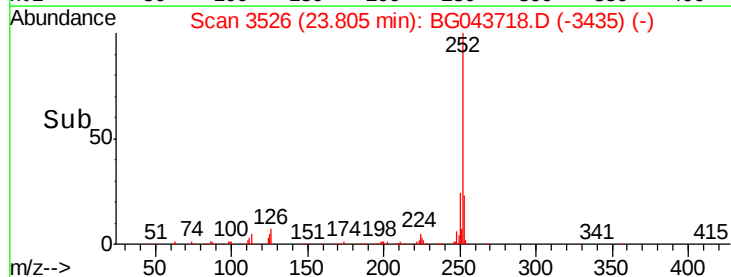
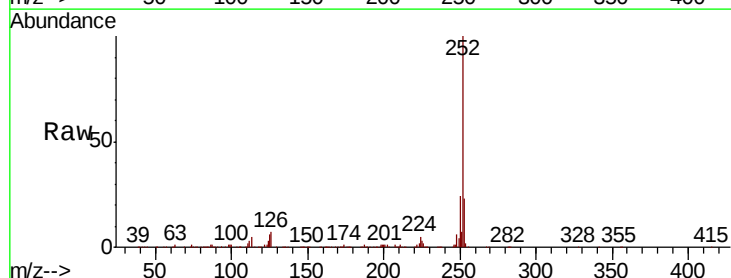
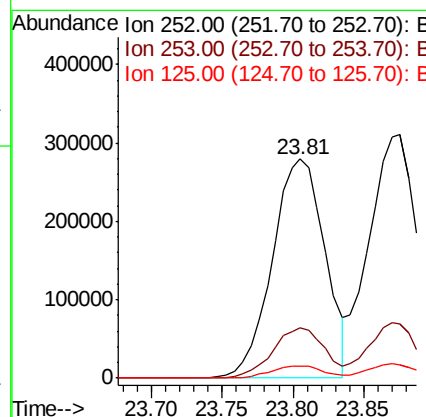
RT: 23.81 min Scan# 3526

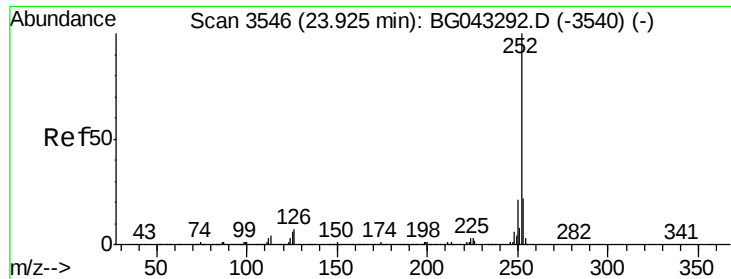
Delta R.T. 0.00 min

Lab File: BG043718.D

Acq: 20 Nov 2019 5:20

Tgt Ion:	252	Resp:	726051
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	5.6	4.5	6.7





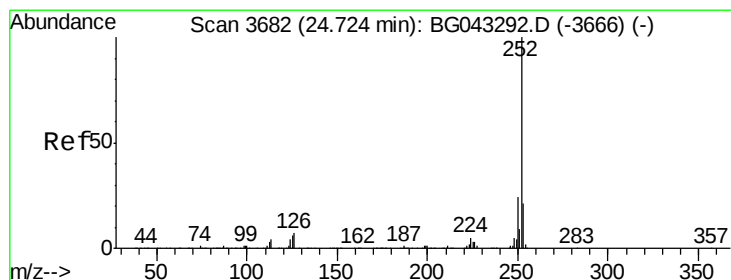
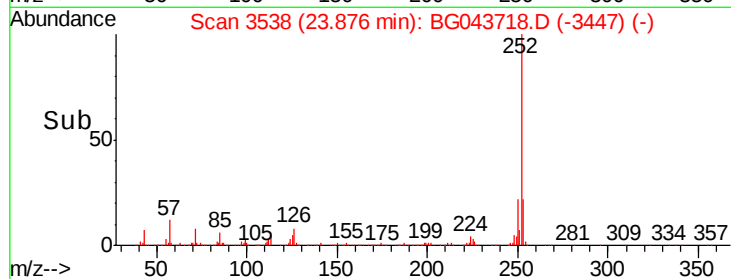
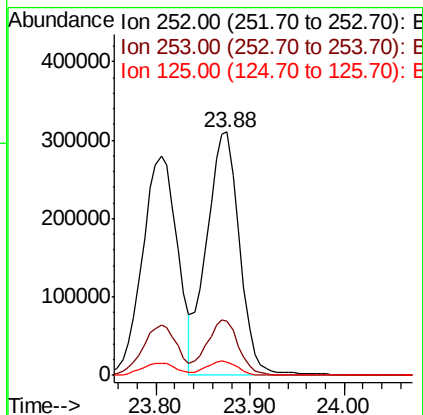
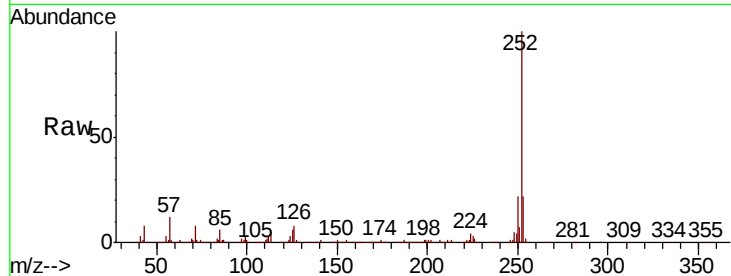
#89
Benzo(k)fluoranthene
Concen: 53.085 ng
RT: 23.88 min Scan# 3538
Delta R.T. 0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	5.5	4.7	7.1

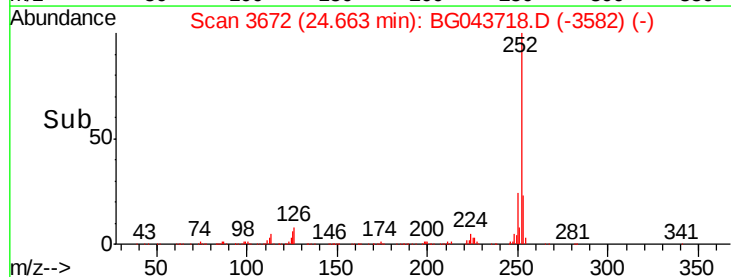
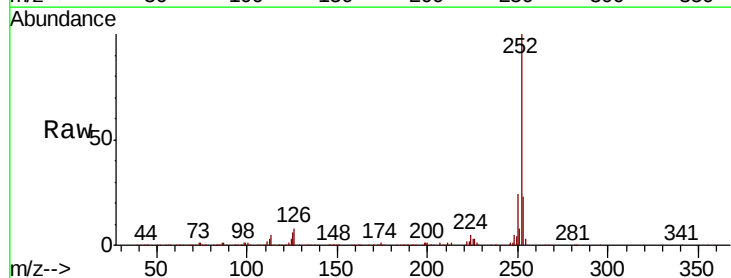
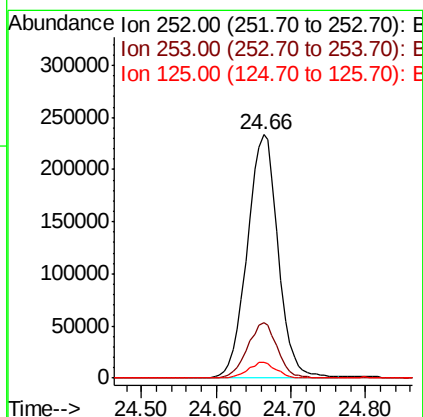
Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#90
Benzo(a)pyrene
Concen: 49.544 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	6.4	5.0	7.6





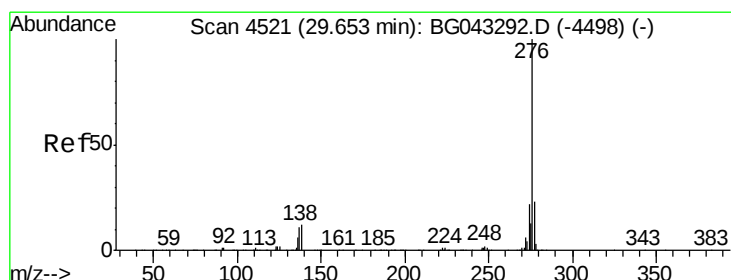
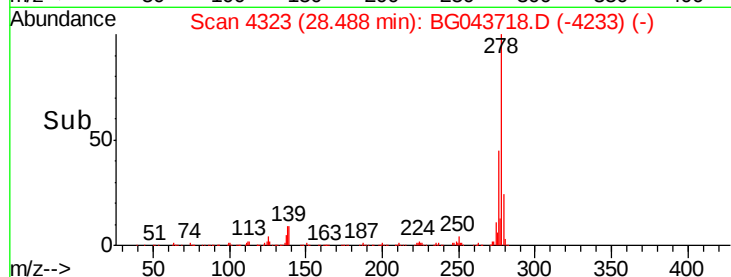
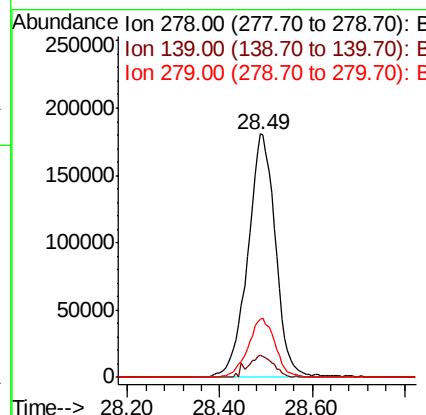
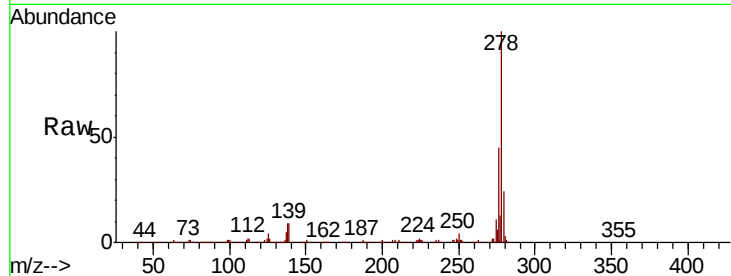
#91
Dibenzo(a,h)anthracene
Concen: 54.639 ng
RT: 28.49 min Scan# 4323
Delta R.T. -0.00 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Instrument :
BNA_G
ClientSampleId :
OK-03-111219MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.0	7.2	10.8
279	23.9	19.0	28.4

Manual Integrations
APPROVED

mohammad
11/21/2019 9:04:19 AM



#92
Benzo(g,h,i)perylene
Concen: 54.933 ng
RT: 29.57 min Scan# 4507
Delta R.T. -0.01 min
Lab File: BG043718.D
Acq: 20 Nov 2019 5:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.8	29.6
138	12.6	9.7	14.5

