

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043438.D
 Acq On : 31 Oct 2019 17:45
 Operator : JU
 Sample : K5497-05MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Manual Integrations
 APPROVED

mohammad
 11/1/2019 2:05:13 PM

Quant Time: Nov 01 05:02:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	46799	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	172486	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	122154	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	276810	20.00	ng	0.00
76) Chrysene-d12	21.67	240	303597	20.00	ng	0.00
87) Perylene-d12	24.86	264	362346	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	267208	104.63	ng	0.00
7) Phenol-d6	7.21	99	376909	102.58	ng	0.00
23) Nitrobenzene-d5	9.19	82	225326	67.35	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	224917	96.76	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	507594	57.42	ng	0.00
79) Terphenyl-d14	20.00	244	866263	53.53	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.49	88	37368	37.547	ng	# 90
3) Pyridine	3.89	79	95308	37.963	ng	98
4) n-Nitrosodimethylamine	3.80	42	56831	44.861	ng	# 94
6) Aniline	7.35	93	133576	31.557	ng	99
8) 2-Chlorophenol	7.59	128	128488	45.576	ng	96
9) Benzaldehyde	7.16	77	69605	38.545	ng	88
10) Phenol	7.24	94	166132	49.478	ng	96
11) bis(2-Chloroethyl)ether	7.44	93	105028	40.458	ng	98
12) 1,3-Dichlorobenzene	7.91	146	143992	40.765	ng	98
13) 1,4-Dichlorobenzene	8.06	146	147056	41.149	ng	99
14) 1,2-Dichlorobenzene	8.38	146	140571	40.285	ng	98
15) Benzyl Alcohol	8.27	79	114234	44.267	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.55	45	144229	38.209	ng	98
17) 2-Methylphenol	8.48	107	108677	44.398	ng	97
18) Hexachloroethane	9.10	117	52551	40.757	ng	98
19) n-Nitroso-di-n-propylamine	8.82	70	95085	40.046	ng	99
20) 3+4-Methylphenols	8.81	107	147106	43.827	ng	91
22) Acetophenone	8.85	105	187050	42.346	ng	97
24) Nitrobenzene	9.23	77	144179	45.238	ng	98
25) Isophorone	9.74	82	264526	43.245	ng	98
26) 2-Nitrophenol	9.94	139	75560	49.106	ng	94
27) 2,4-Dimethylphenol	10.01	122	121869	55.260	ng	97
28) bis(2-Chloroethoxy)methane	10.23	93	146753	43.469	ng	99
29) 2,4-Dichlorophenol	10.48	162	137775	48.758	ng	94
30) 1,2,4-Trichlorobenzene	10.69	180	154984	43.518	ng	98
31) Naphthalene	10.88	128	399381	45.616	ng	97
32) Benzoic acid	10.19	122	59903	37.916	ng	94
33) 4-Chloroaniline	11.00	127	75752	21.107	ng	97
34) Hexachlorobutadiene	11.17	225	107976	41.014	ng	95
35) Caprolactam	11.76	113	43541m	44.741	ng	
36) 4-Chloro-3-methylphenol	12.12	107	145671	47.261	ng	95
37) 2-Methylnaphthalene	12.48	142	302344	45.006	ng	98
38) 1-Methylnaphthalene	12.70	142	288330	45.109	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	195636	43.275	ng	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043438.D
 Acq On : 31 Oct 2019 17:45
 Operator : JU
 Sample : K5497-05MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Manual Integrations
 APPROVED

mohammad
 11/1/2019 2:05:13 PM

Quant Time: Nov 01 05:02:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	239660	100.919	nq	95
43) 2,4,6-Trichlorophenol	13.09	196	126231	47.414	nq	98
44) 2,4,5-Trichlorophenol	13.18	196	131378	48.811	nq	99
46) 1,1'-Biphenyl	13.49	154	401930	43.252	nq	99
47) 2-Chloronaphthalene	13.53	162	309755	43.809	nq	98
48) 2-Nitroaniline	13.73	65	93482	44.236	nq	99
49) Acenaphthylene	14.37	152	511620	46.492	nq	96
50) Dimethylphthalate	14.10	163	461634	48.790	nq	99
51) 2,6-Dinitrotoluene	14.22	165	94540	45.993	nq	95
52) Acenaphthene	14.72	154	297655	44.354	nq	99
53) 3-Nitroaniline	14.56	138	50192	25.291	nq	99
54) 2,4-Dinitrophenol	14.77	184	100920	78.749	nq	96
55) Dibenzofuran	15.05	168	485713	44.631	nq	98
56) 4-Nitrophenol	14.89	139	134783	101.346	nq	88
57) 2,4-Dinitrotoluene	15.01	165	131781	44.860	nq	97
58) Fluorene	15.70	166	400277	43.854	nq	96
59) 2,3,4,6-Tetrachlorophenol	15.28	232	130142	45.510	nq	97
60) Diethylphthalate	15.46	149	403107	42.401	nq	98
61) 4-Chlorophenyl-phenylether	15.68	204	231616	43.498	nq	97
62) 4-Nitroaniline	15.73	138	83256	40.621	nq	96
63) Azobenzene	15.98	77	342814	44.555	nq	96
65) 4,6-Dinitro-2-methylphenol	15.78	198	77961	47.857	nq	95
66) n-Nitrosodiphenylamine	15.90	169	364148	46.596	nq	99
67) 4-Bromophenyl-phenylether	16.58	248	164680	44.207	nq	98
68) Hexachlorobenzene	16.71	284	183986	43.026	nq	98
69) Atrazine	16.85	200	152544	56.174	nq	93
70) Pentachlorophenol	17.05	266	204156	104.778	nq	96
71) Phenanthrene	17.44	178	649250	45.803	nq	99
72) Anthracene	17.53	178	663152	46.760	nq	98
73) Carbazole	17.80	167	589982	45.938	nq	98
74) Di-n-butylphthalate	18.35	149	700006	44.921	nq	99
75) Fluoranthene	19.44	202	867821	46.961	nq	99
77) Benzidine	19.63	184	417822	68.383	nq	98
78) Pyrene	19.81	202	864250	45.990	nq	98
80) Butylbenzylphthalate	20.69	149	316156	44.406	nq	98
81) Benzo(a)anthracene	21.65	228	883604	46.464	nq	98
82) 3,3'-Dichlorobenzidine	21.56	252	216499	29.434	nq	98
83) Chrysene	21.71	228	858375	45.429	nq	97
84) Bis(2-ethylhexyl)phthalate	21.55	149	464269	45.906	nq	99
85) Di-n-octyl phthalate	22.75	149	801215	46.695	nq	99
86) Indeno(1,2,3-cd)pyrene	28.52	276	1131089	47.689	nq	100
88) Benzo(b)fluoranthene	23.85	252	935282	45.574	nq	98
89) Benzo(k)fluoranthene	23.92	252	948863	45.928	nq	97
90) Benzo(a)pyrene	24.72	252	887269	45.275	nq	99
91) Dibenzo(a,h)anthracene	28.57	278	941129	46.951	nq	99
92) Benzo(g,h,i)perylene	29.64	276	950748	48.085	nq	99

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

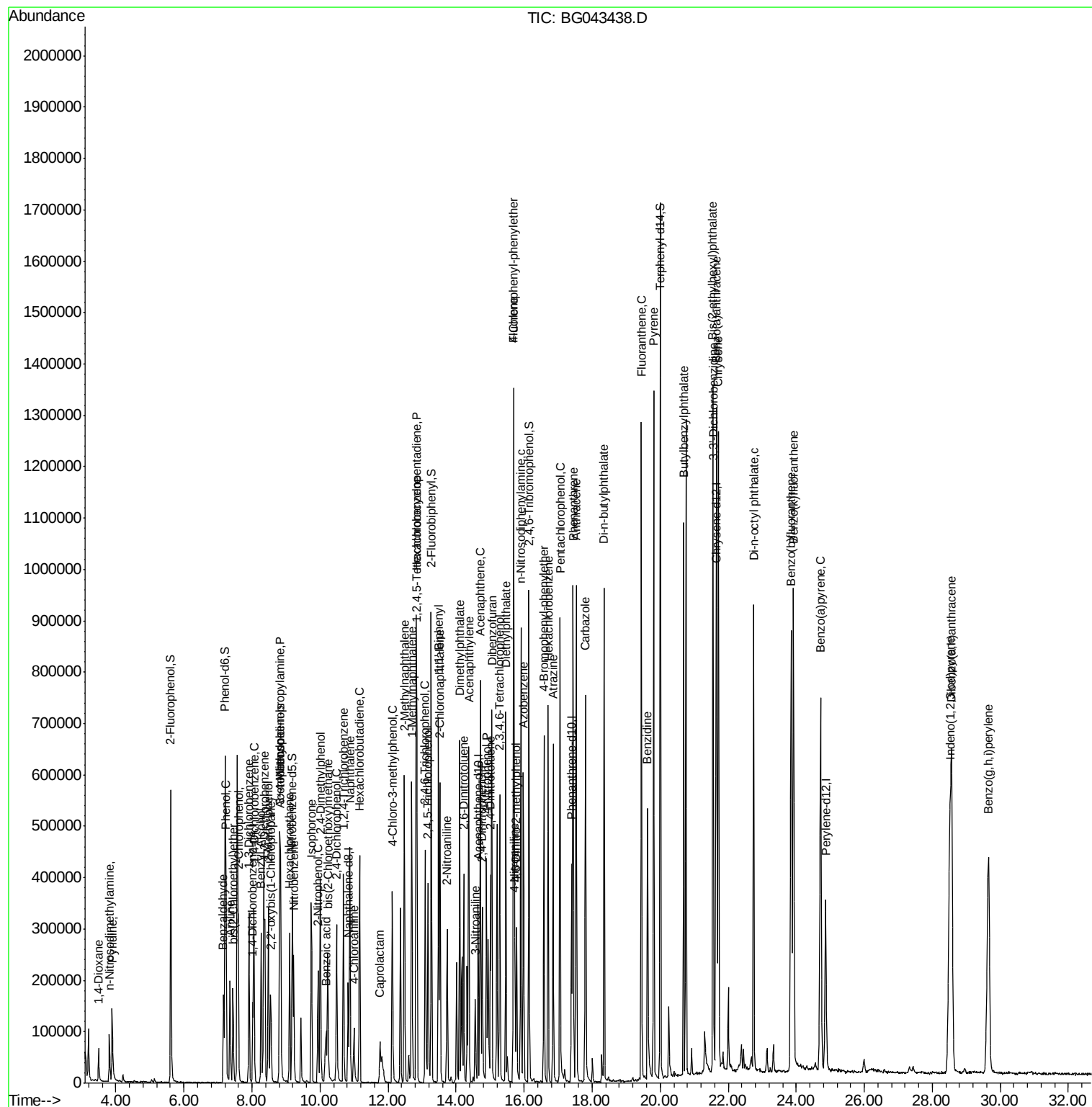
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043438.D
 Acq On : 31 Oct 2019 17:45
 Operator : JU
 Sample : K5497-05MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sample Id :
 169-32-(0-1)MSD

Manual Integrations
 APPROVED

mohammad
 11/1/2019 2:05:13 PM

Quant Time: Nov 01 05:02:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration





#1

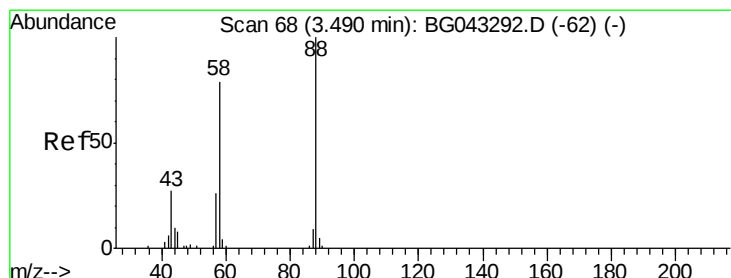
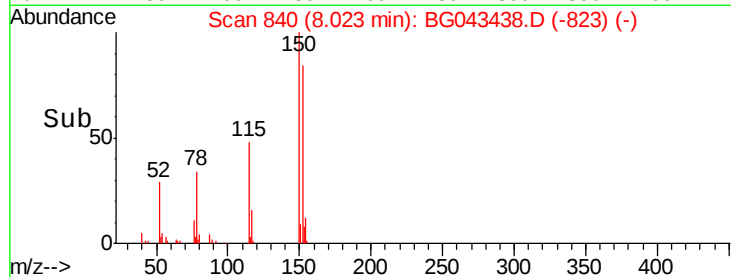
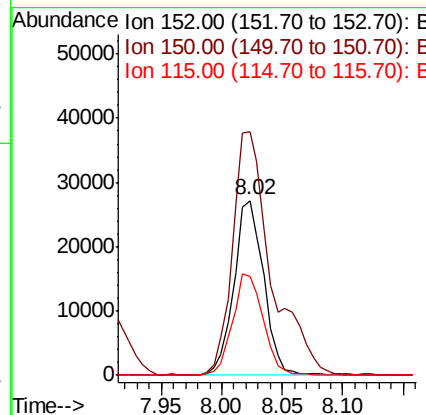
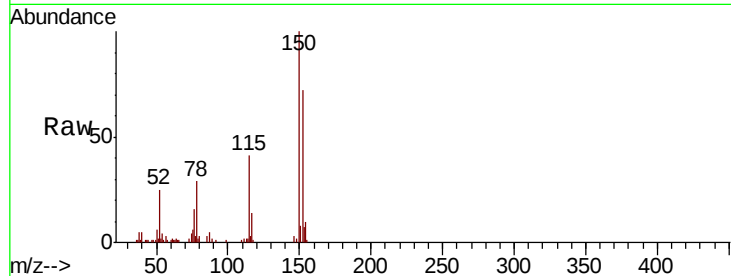
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.2	113.6	170.4
115	56.9	45.9	68.9

Manual Integrations
APPROVED

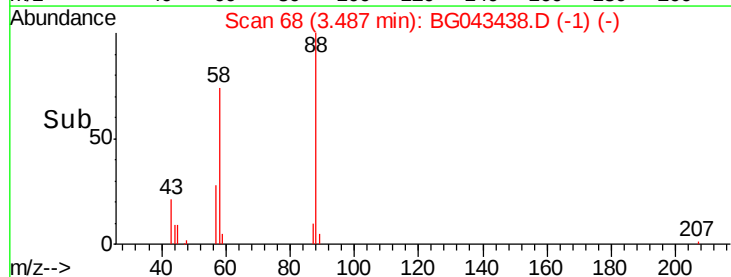
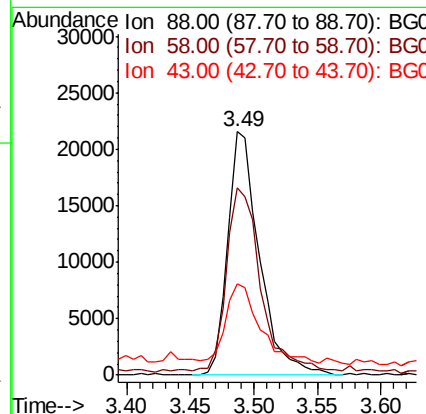
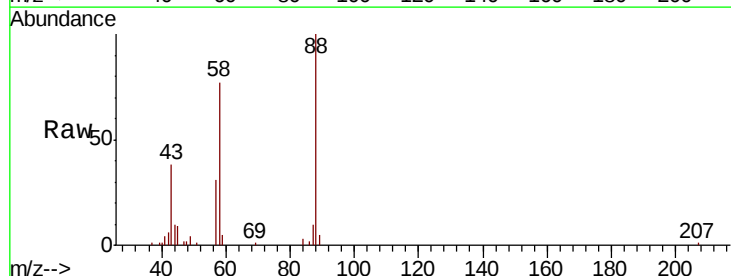
mohammad
11/1/2019 2:05:13 PM



#2

1,4-Dioxane
Concen: 37.547 ng
RT: 3.49 min Scan# 68
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.0	60.2	90.2
43	35.1	22.7	34.1#





#3

Pvridine

Concen: 37.963 ng

RT: 3.89 min Scan# 137

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

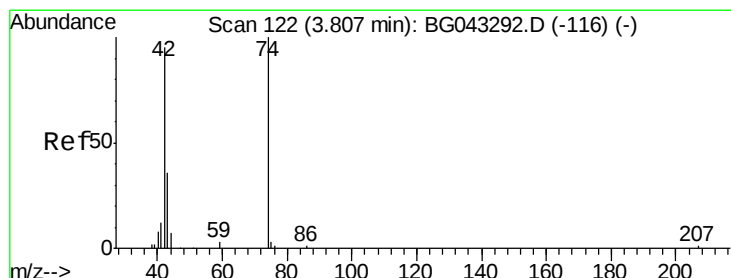
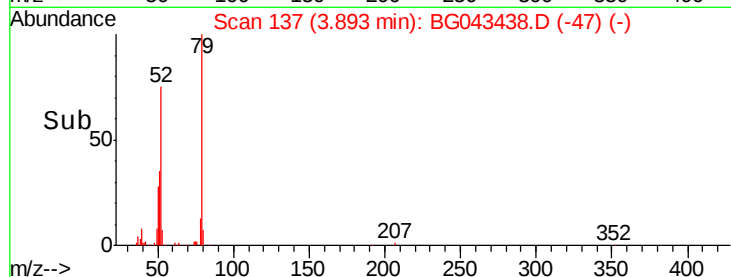
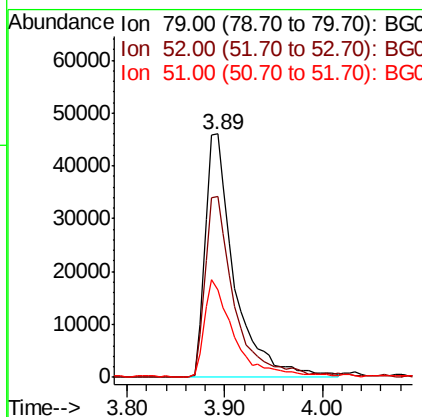
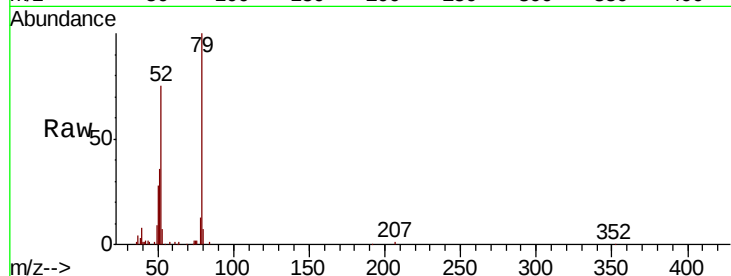
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	79	Resp:	95308
Ion	Ratio	Lower	Upper
79	100		
52	74.5	59.7	89.5
51	35.7	31.8	47.6

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#4

n-Nitrosodimethylamine

Concen: 44.861 ng

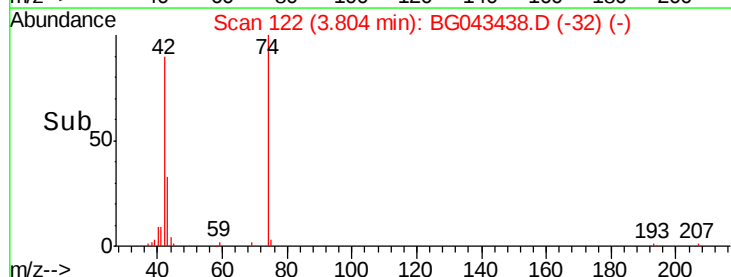
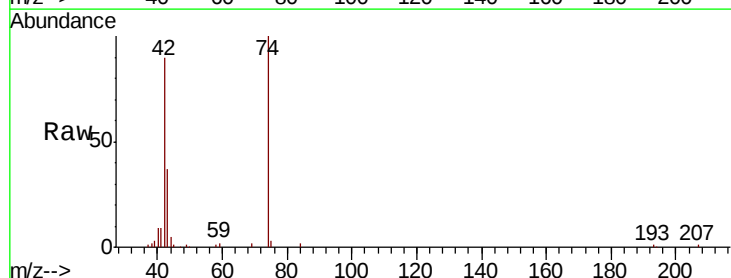
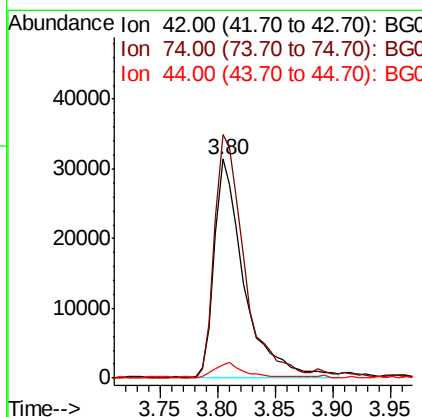
RT: 3.80 min Scan# 122

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	42	Resp:	56831
Ion	Ratio	Lower	Upper
42	100		
74	111.2	84.2	126.2
44	5.7	6.0	9.0#





#5

2-Fluorophenol

Concen: 104.627 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

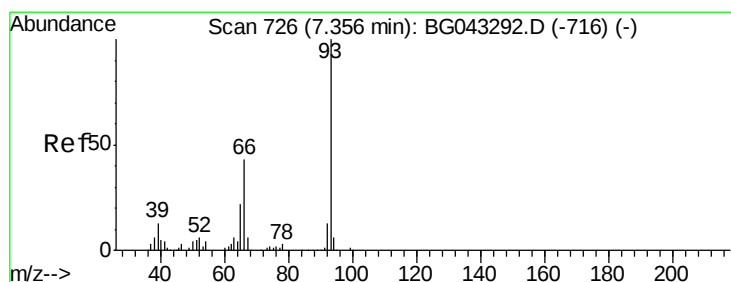
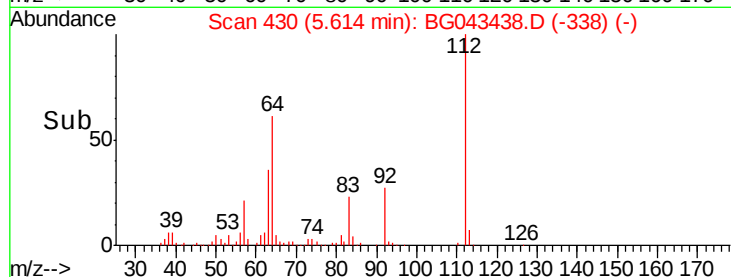
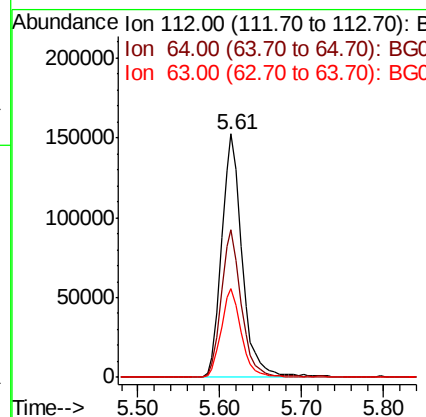
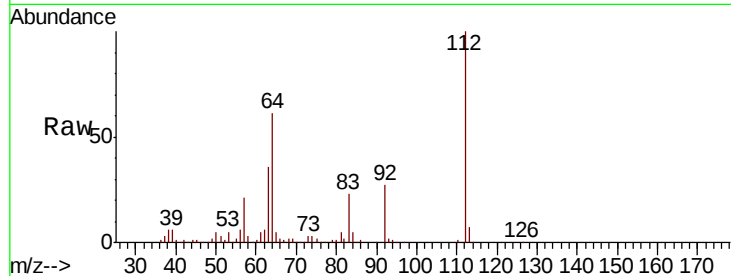
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	112	Resp:	267208
Ion Ratio	Lower	Upper	
112	100		
64	60.7	50.2	75.2
63	36.4	26.7	40.1

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#6

Aniline

Concen: 31.557 ng

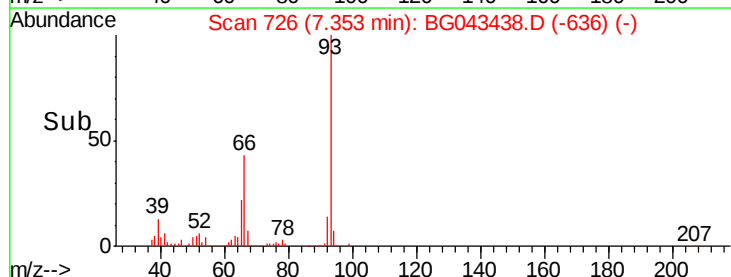
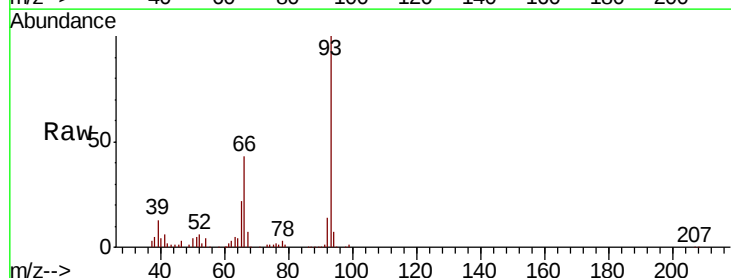
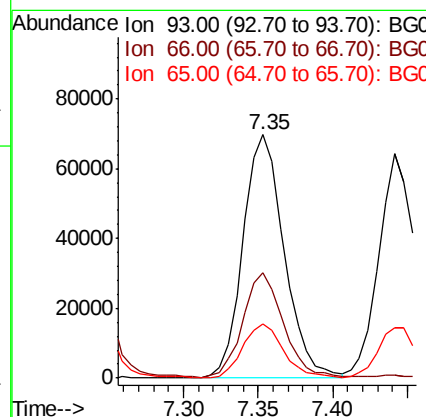
RT: 7.35 min Scan# 726

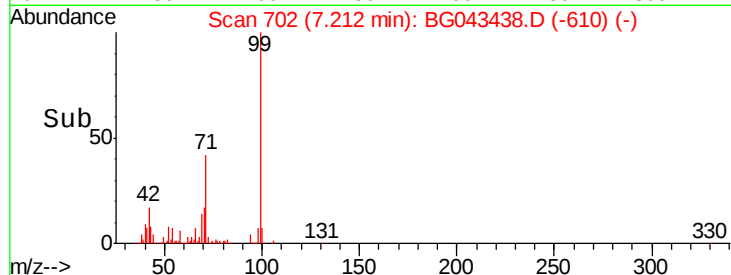
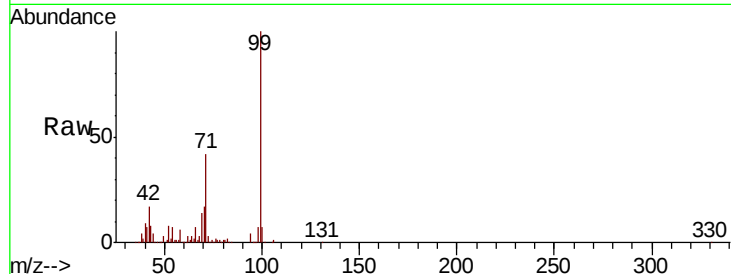
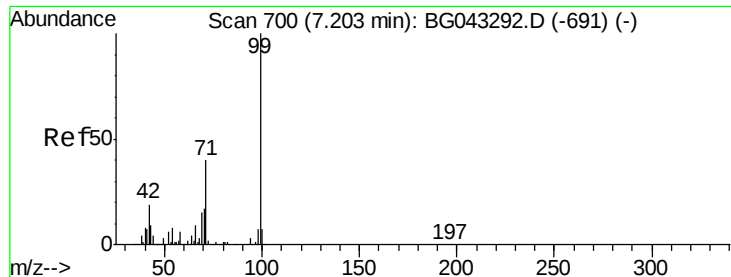
Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	93	Resp:	133576
Ion Ratio	Lower	Upper	
93	100		
66	43.4	34.5	51.7
65	22.0	18.0	27.0





#7

Phenol-d6

Concen: 102.575 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tot Ion:	99	Resp:	376909
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.9	22.3
71	42.0	32.2	48.2

Instrument :

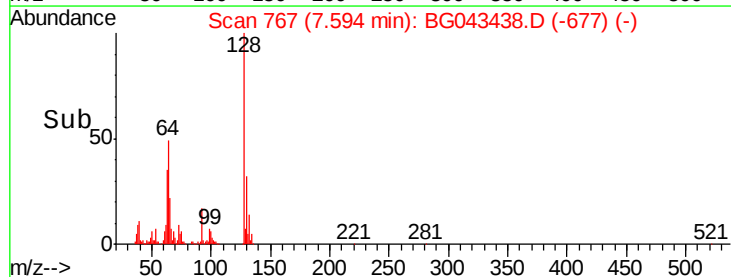
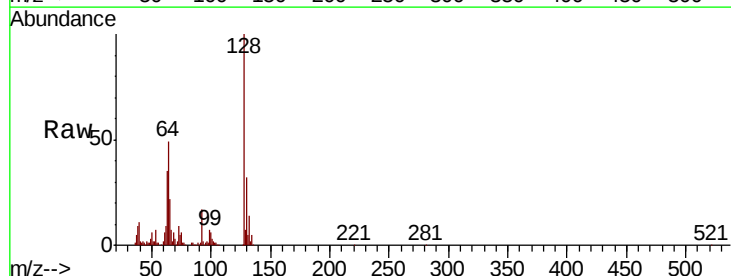
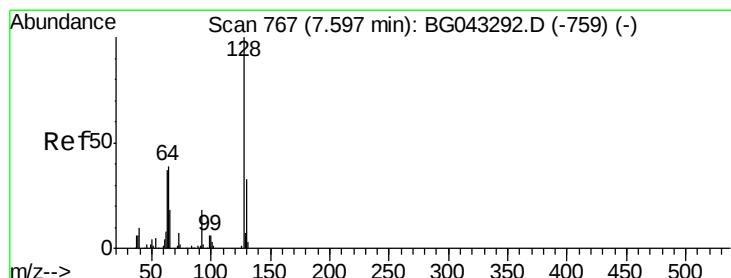
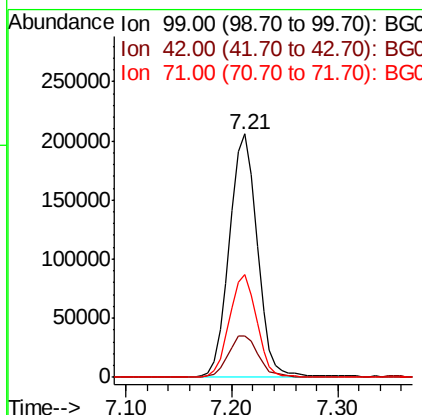
BNA_G

ClientSampleId :

169-32-(0-1)MSD

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#8

2-Chlorophenol

Concen: 45.576 ng

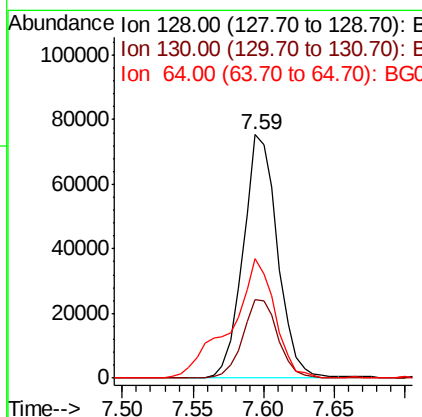
RT: 7.59 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	128	Resp:	128488
Ion Ratio	Lower	Upper	
128	100		
130	32.3	12.9	52.9
64	49.2	24.9	64.9





#9

Benzaldehyde

Concen: 38.545 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

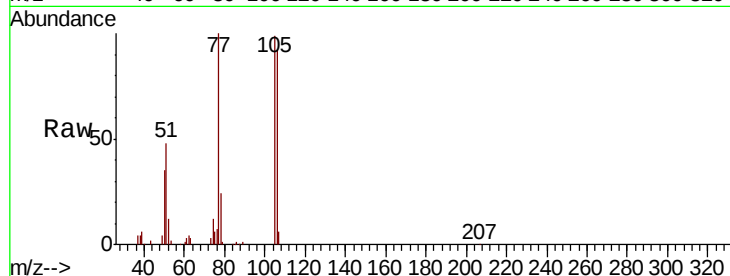
ClientSampleId :

169-32-(0-1)MSD

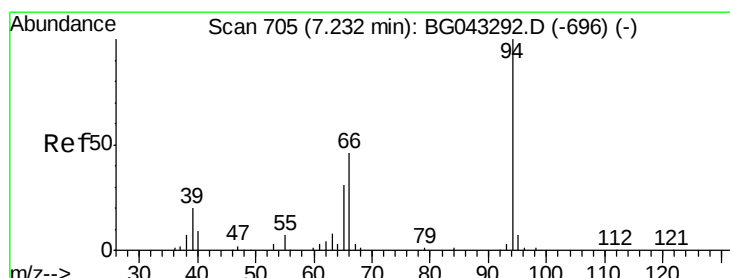
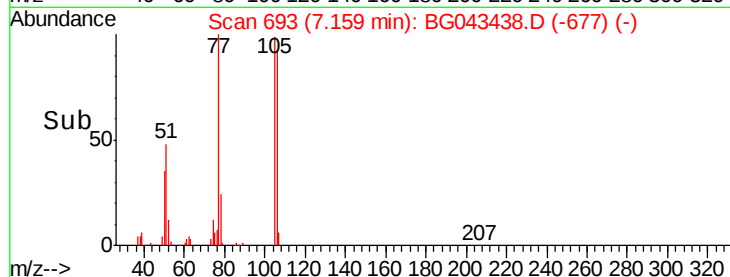
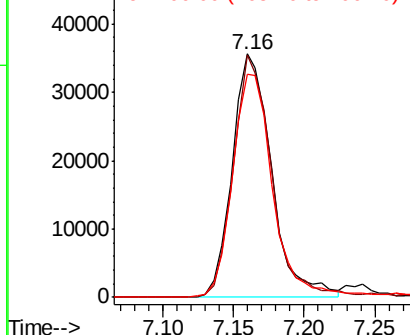
Tot Ion:	77	Resp:	69605
Ion	Ratio	Lower	Upper
77	100		
105	99.3	68.7	108.7
106	91.6	60.5	100.5

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 49.478 ng

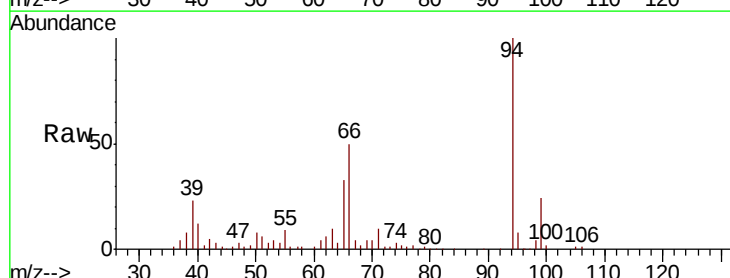
RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

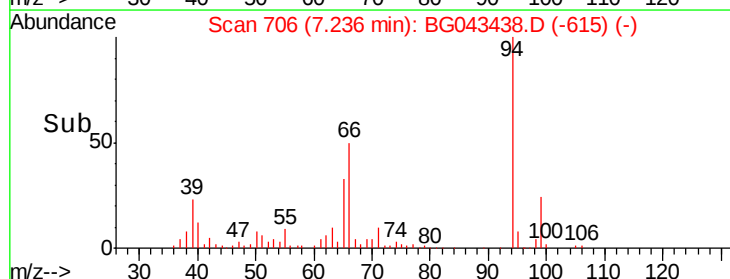
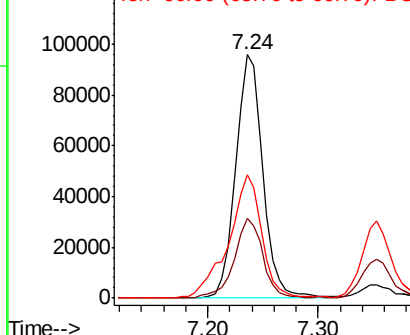
Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	94	Resp:	166132
Ion	Ratio	Lower	Upper
94	100		
65	32.9	11.1	51.1
66	50.4	27.8	67.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





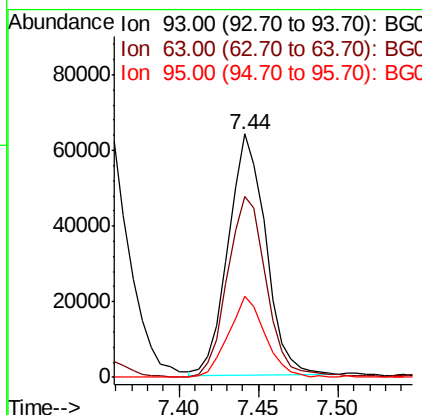
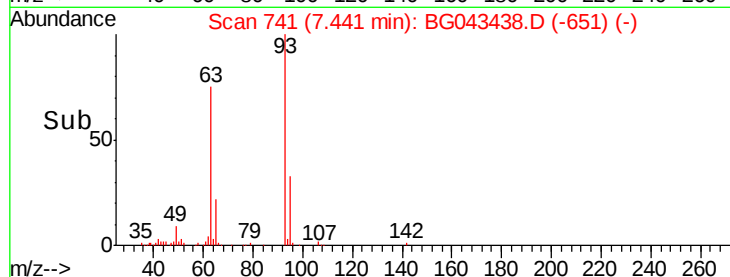
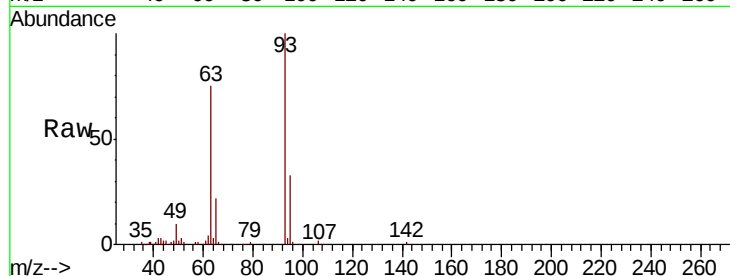
#11
bis(2-Chloroethyl)ether
Concen: 40.458 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.5	54.6	94.6
95	33.4	9.7	49.7

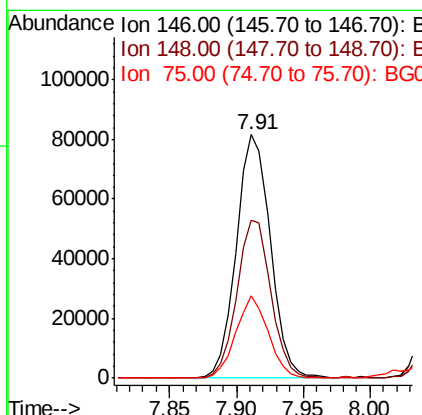
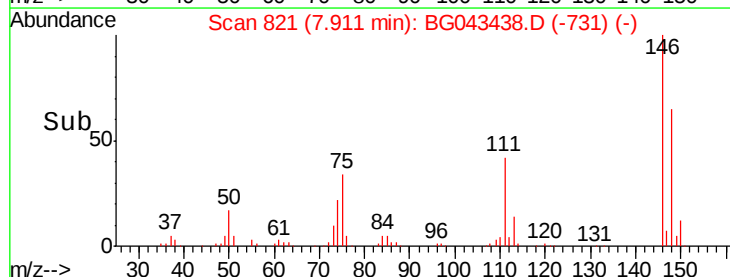
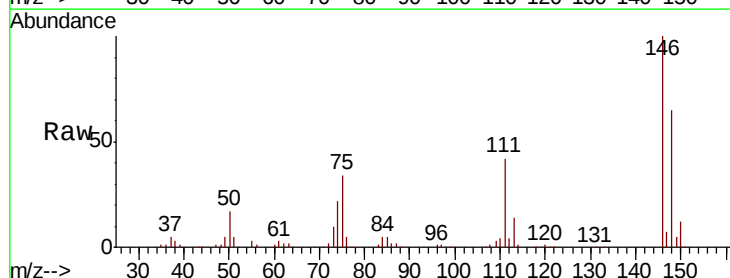
Manual Integrations
APPROVED

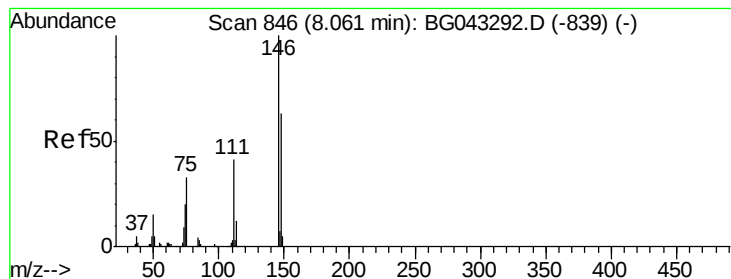
mohammad
11/1/2019 2:05:13 PM



#12
1,3-Dichlorobenzene
Concen: 40.765 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	53.4	80.2
75	33.8	27.0	40.4





#13

1,4-Dichlorobenzene

Concen: 41.149 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

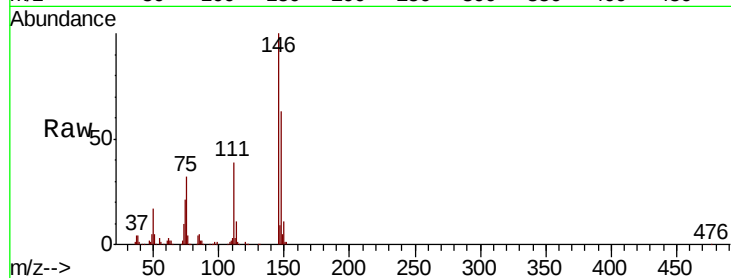
ClientSampleId :

169-32-(0-1)MSD

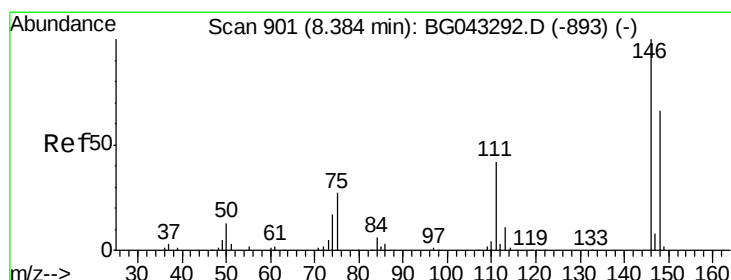
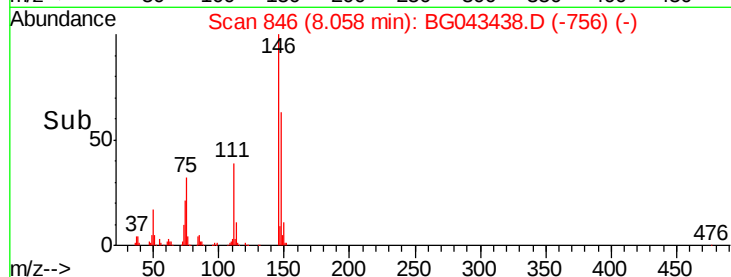
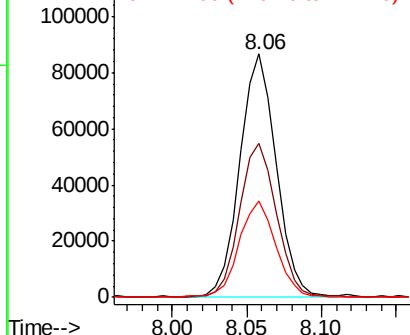
Tot Ion:	146	Resp:	147056
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.7	76.1
111	39.4	33.0	49.6

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



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: 40.285 ng

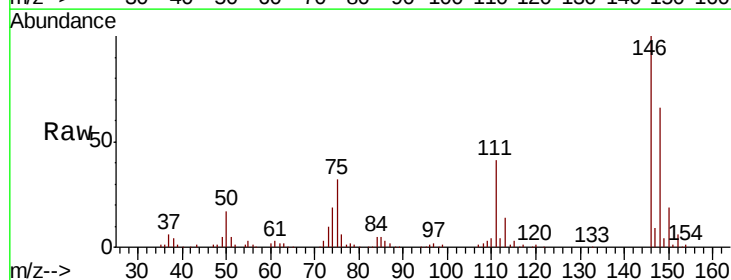
RT: 8.38 min Scan# 900

Delta R.T. -0.01 min

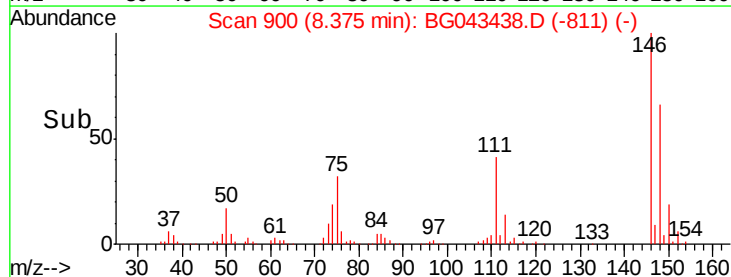
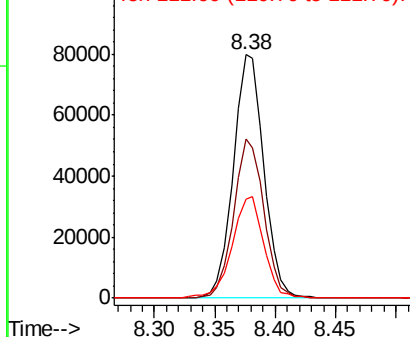
Lab File: BG043438.D

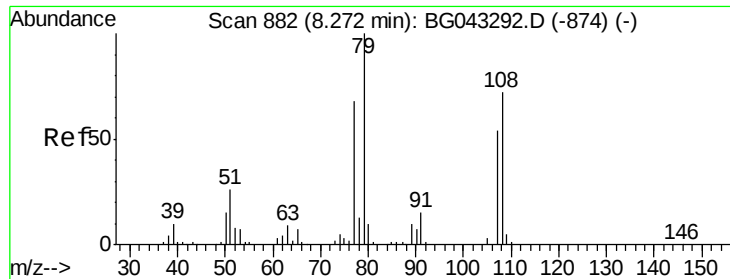
Acq: 31 Oct 2019 17:45

Tgt Ion:	146	Resp:	140571
Ion Ratio	Lower	Upper	
146	100		
148	65.5	53.0	79.4
111	40.7	34.5	51.7



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





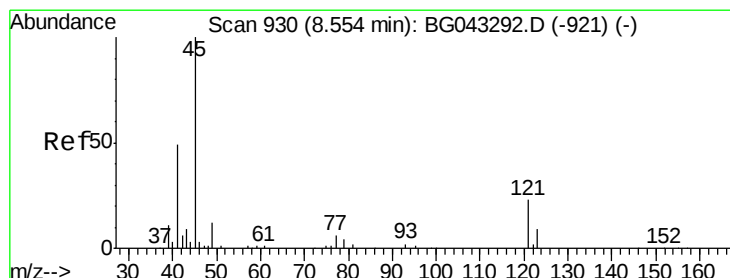
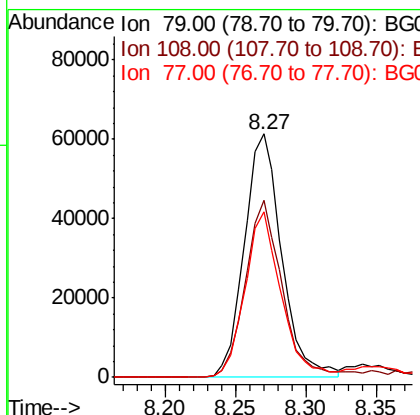
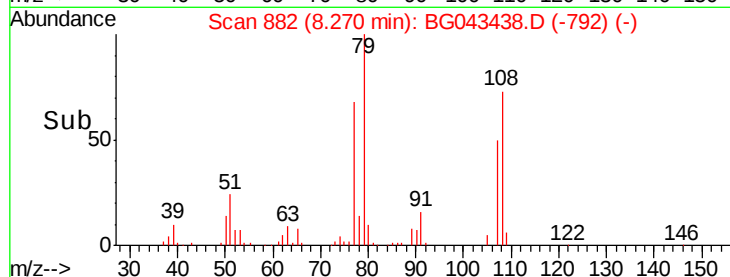
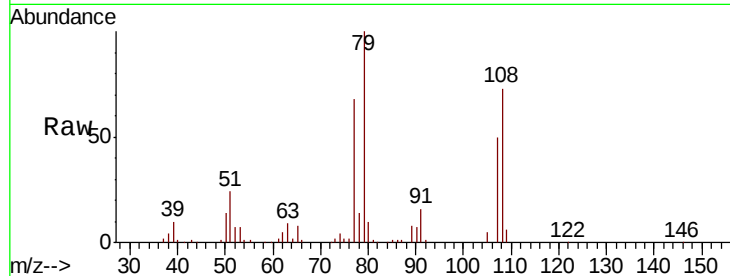
#15
Benzyl Alcohol
Concen: 44.267 ng
RT: 8.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.9	57.3	85.9
77	68.1	54.6	81.8

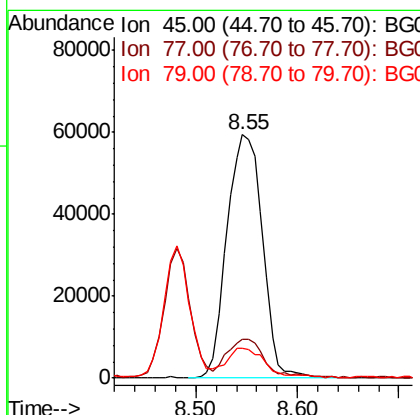
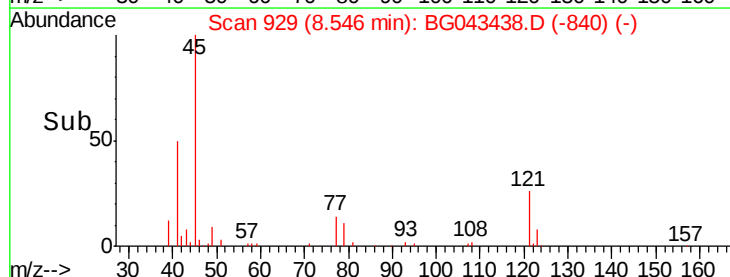
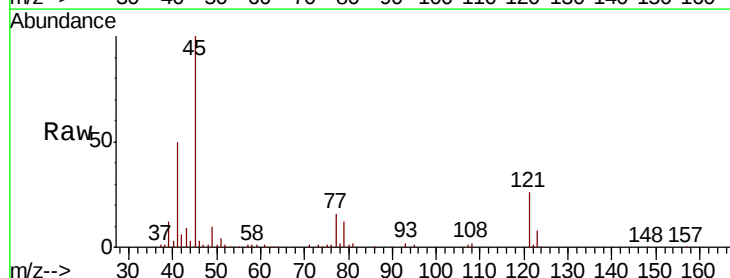
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.209 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	34.2
79	12.0	0.0	32.3





#17

2-Methylphenol

Concen: 44.398 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

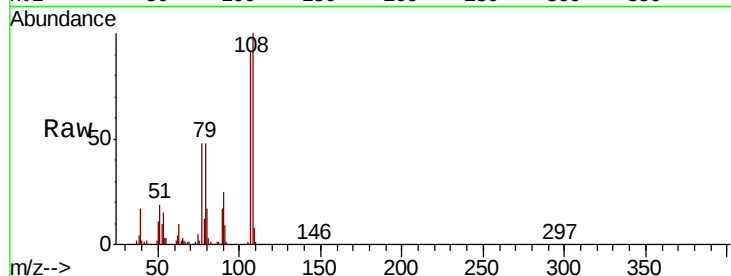
ClientSampleId :

169-32-(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.7	91.3	136.9	
77	52.3	43.0	64.6	
79	53.2	43.4	65.2	

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



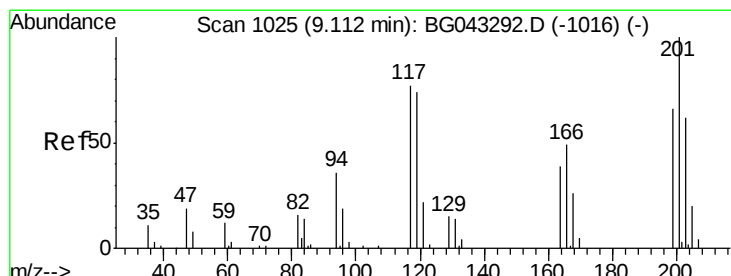
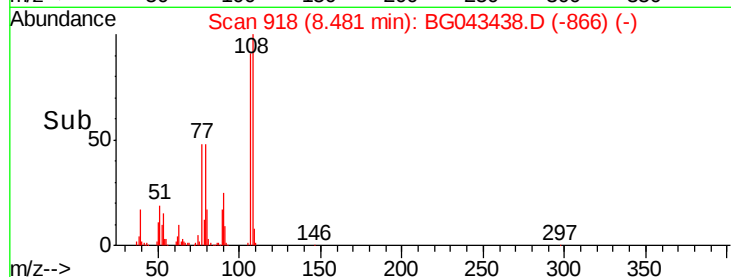
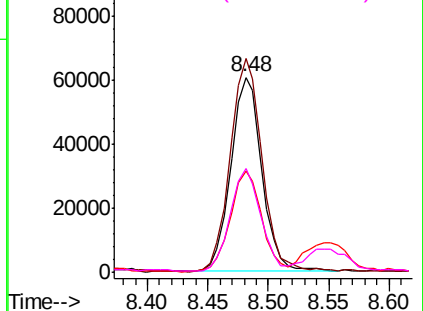
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 40.757 ng

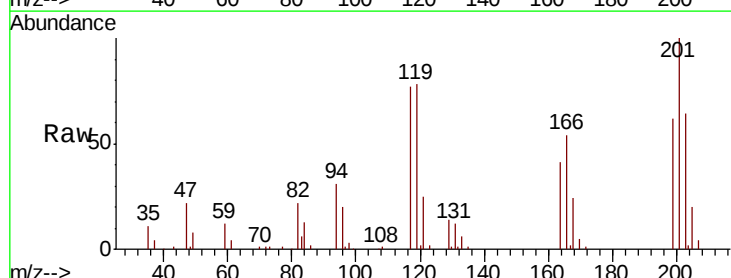
RT: 9.10 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	100.9	77.3	115.9	
201	129.2	104.2	156.4	

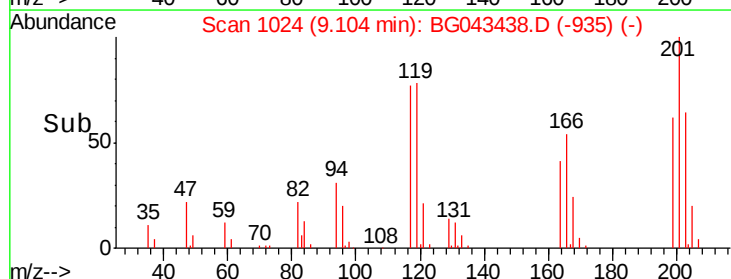
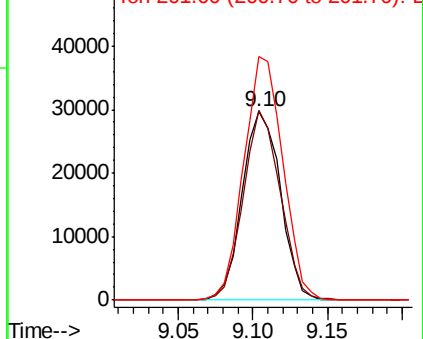


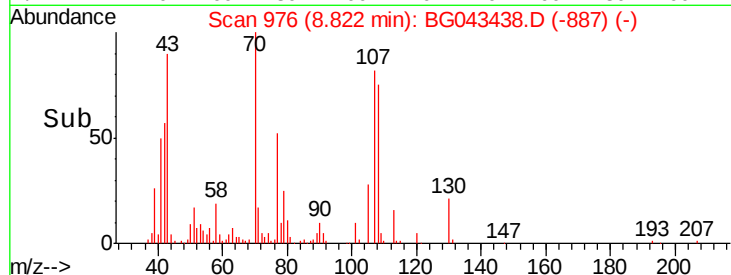
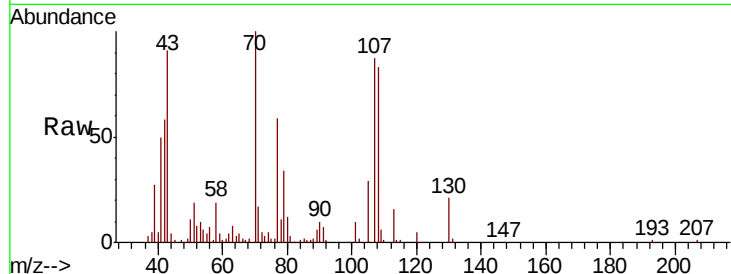
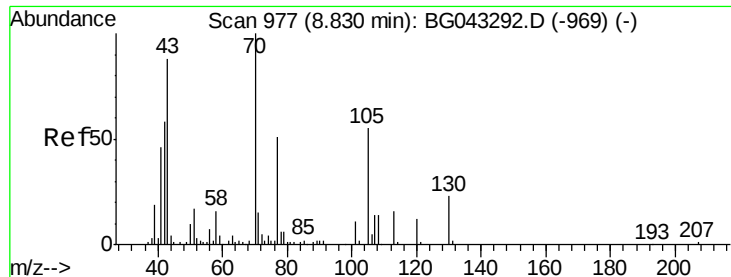
Abundance

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





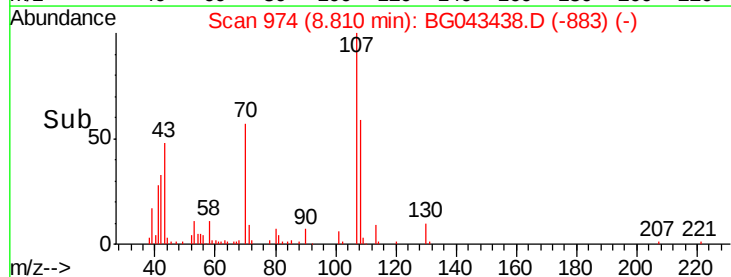
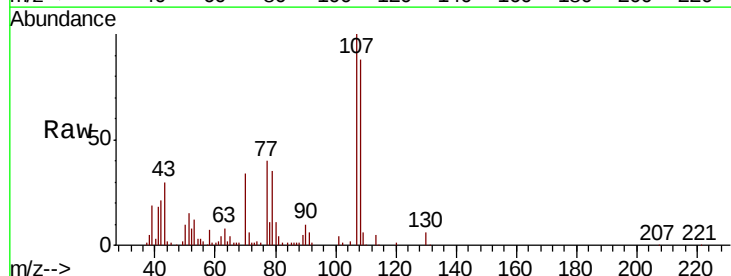
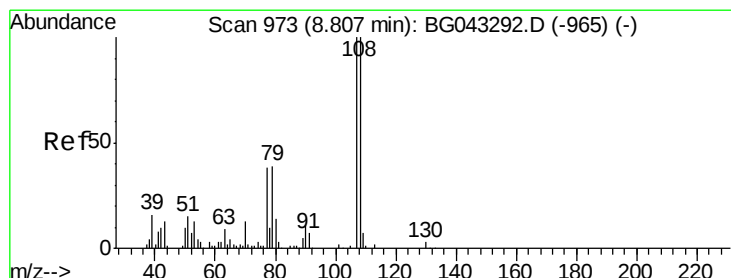
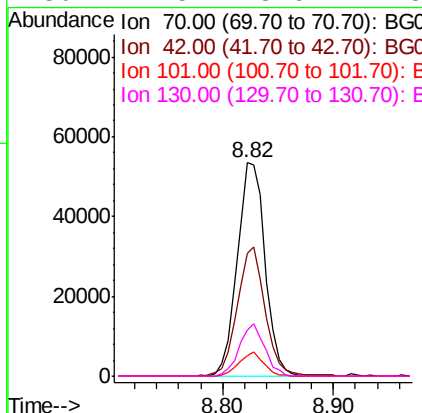
#19
n-Nitroso-di-n-propylamine
Concen: 40.046 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.6	46.2	69.2	
101	9.7	8.6	13.0	
130	21.5	18.6	27.8	

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

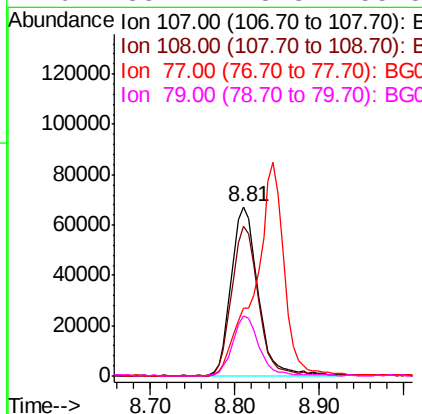
Manual Integrations
APPROVED

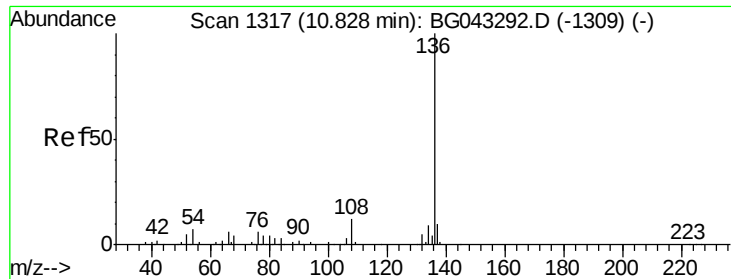
mohammad
11/1/2019 2:05:13 PM



#20
3+4-Methylphenols
Concen: 43.827 ng
RT: 8.81 min Scan# 974
Delta R.T. 0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.3	80.3	120.3	
77	39.7	18.2	58.2	
79	35.4	18.8	58.8	





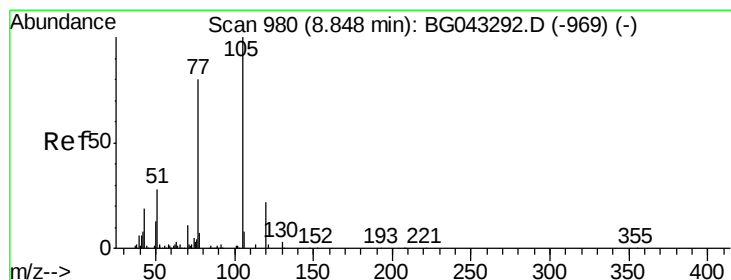
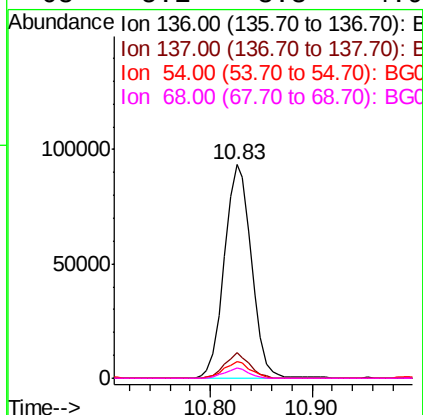
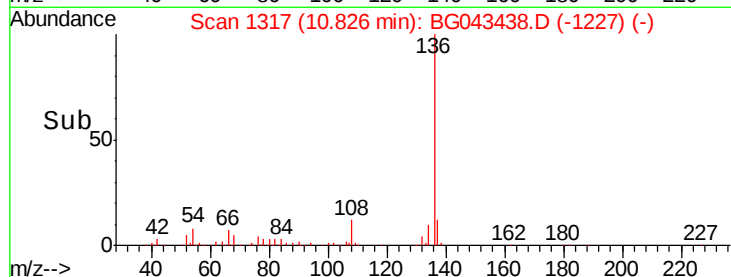
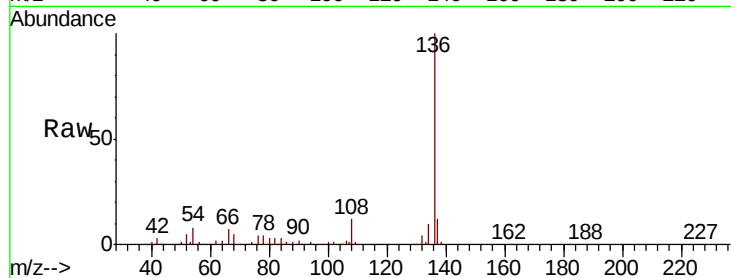
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	12.0	8.2	12.2	
54	7.8	5.4	8.2	
68	5.1	3.3	4.9	

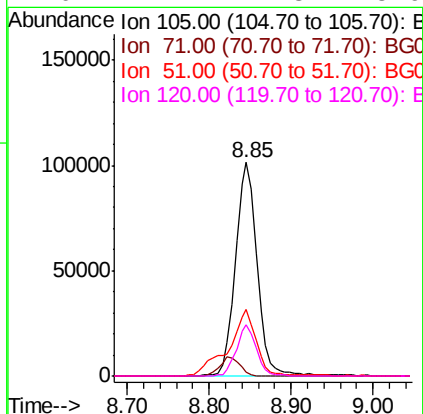
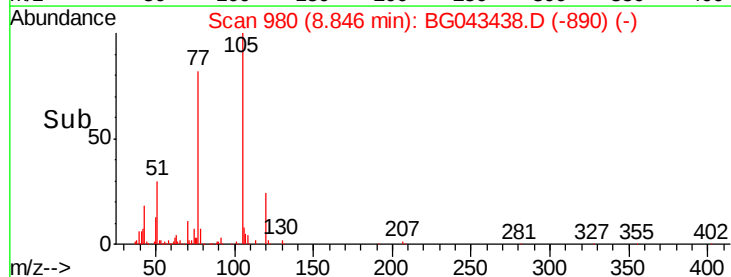
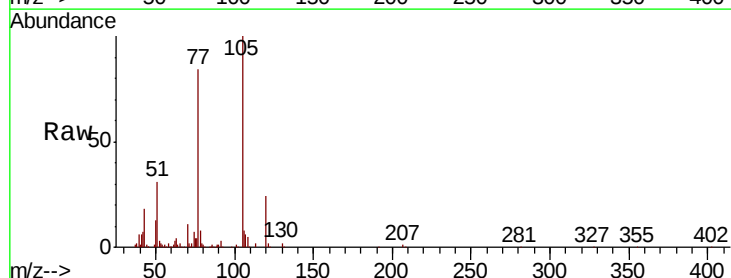
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#22
Acetophenone
Concen: 42.346 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.1	1.5	2.3	
51	31.0	23.9	35.9	
120	24.2	17.3	25.9	





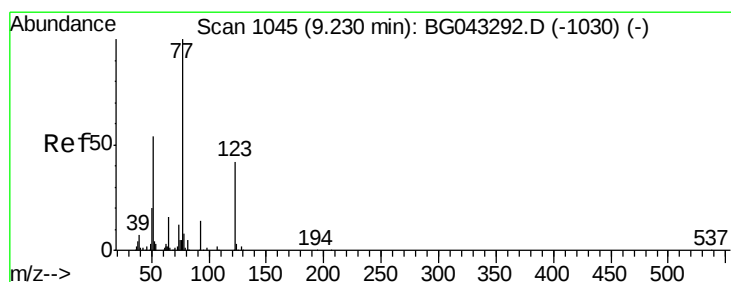
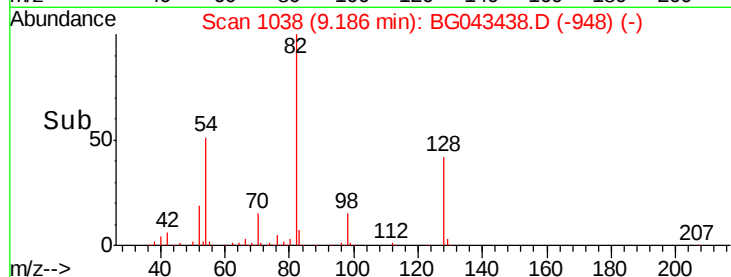
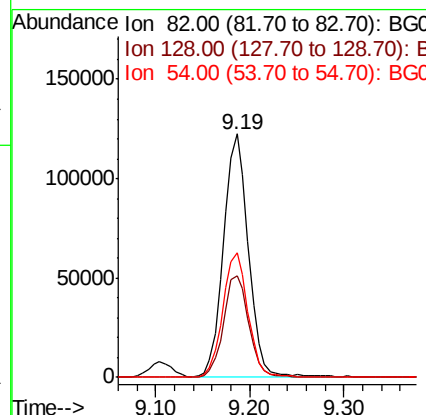
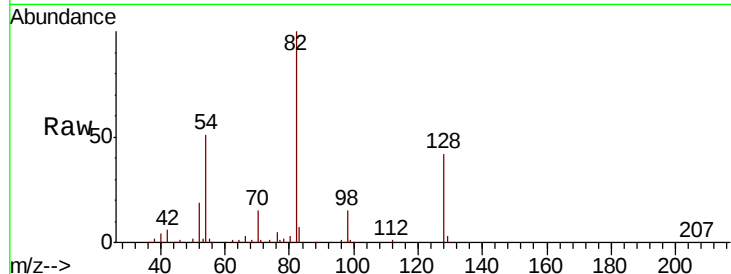
#23
Nitrobenzene-d5
Concen: 67.348 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.3	52.9
54	51.3	42.3	63.5

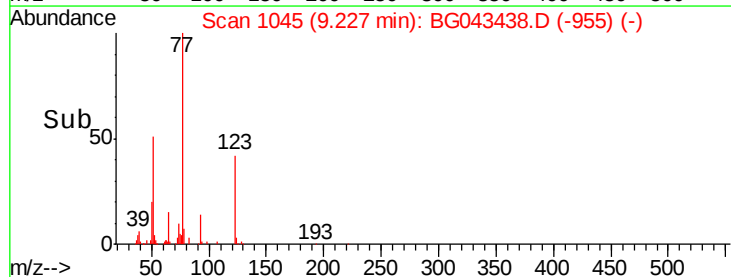
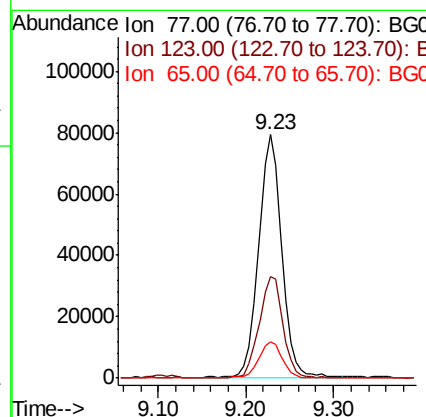
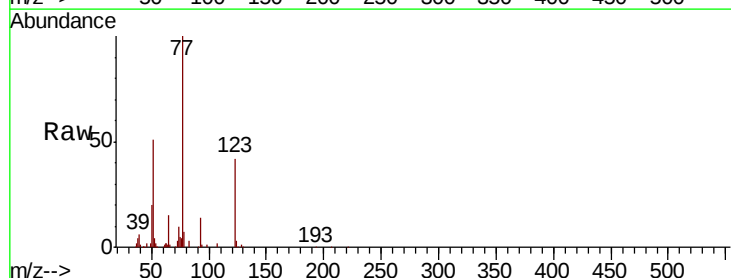
Manual Integrations
APPROVED

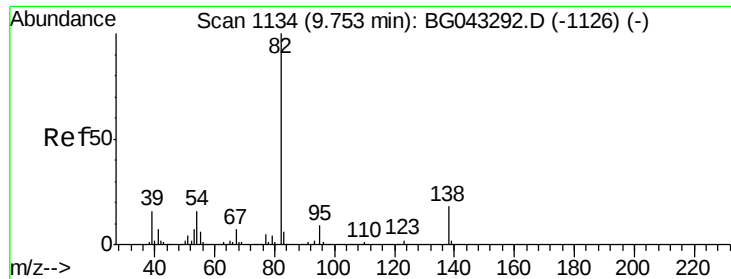
mohammad
11/1/2019 2:05:13 PM



#24
Nitrobenzene
Concen: 45.238 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.7	33.8	50.8
65	14.9	13.0	19.4





#25

Isophorone

Concen: 43.245 ng

RT: 9.74 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

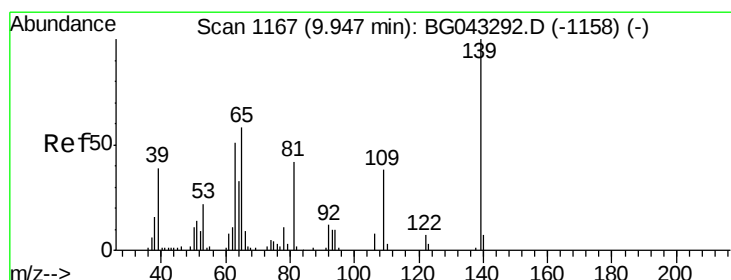
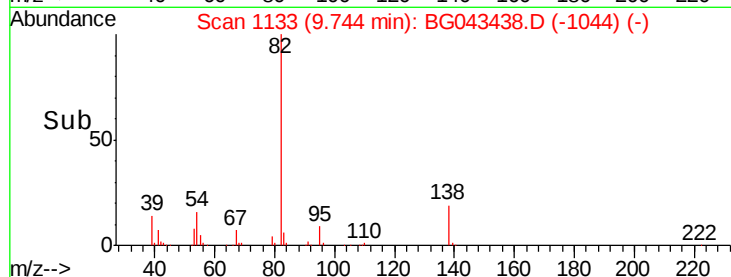
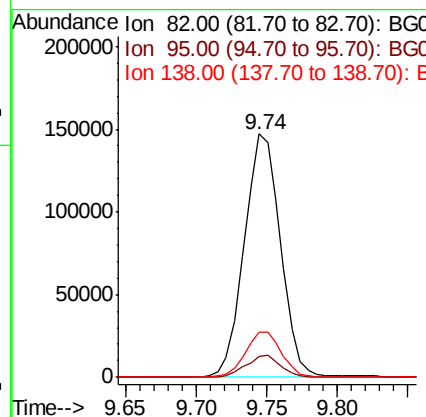
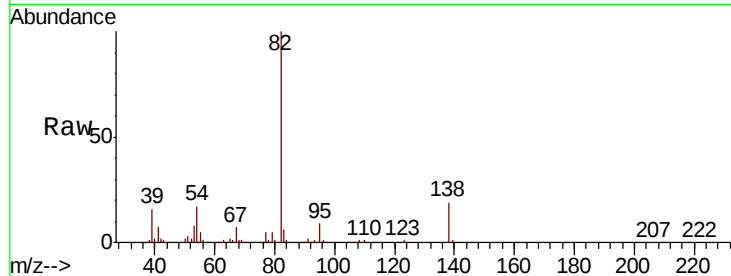
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	82	Resp:	264526
Ion Ratio	Lower	Upper	
82	100		
95	8.7	6.9	10.3
138	18.8	14.2	21.2

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#26

2-Nitrophenol

Concen: 49.106 ng

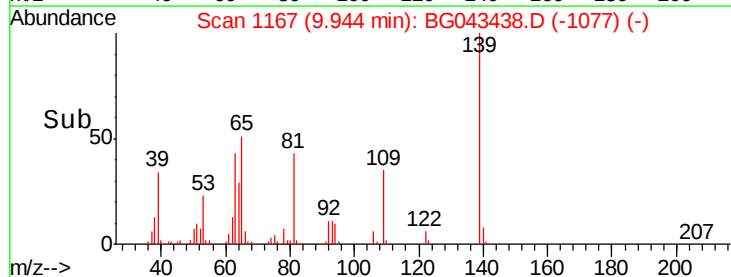
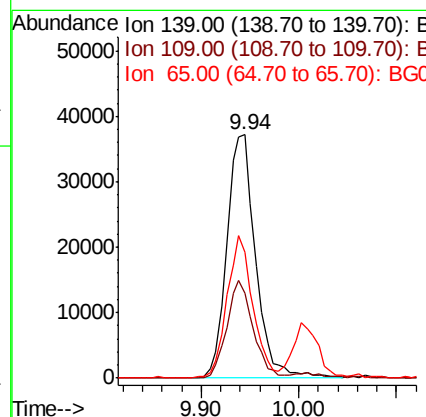
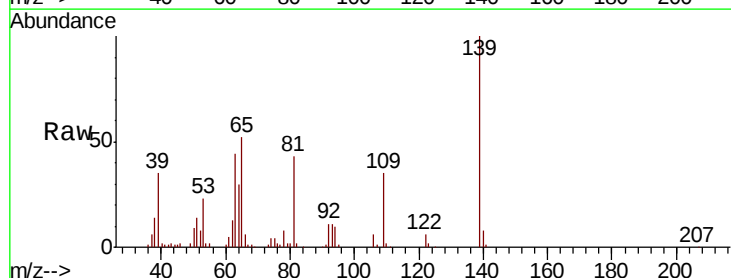
RT: 9.94 min Scan# 1167

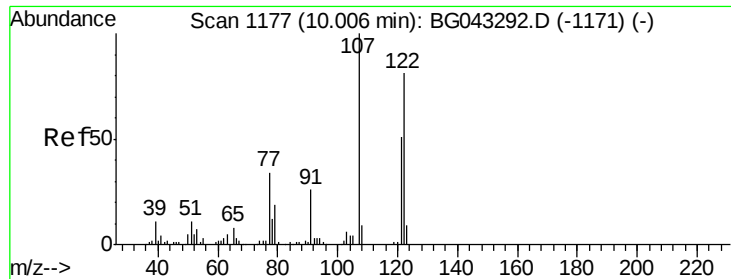
Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	139	Resp:	75560
Ion Ratio	Lower	Upper	
139	100		
109	35.0	30.1	45.1
65	51.8	46.1	69.1





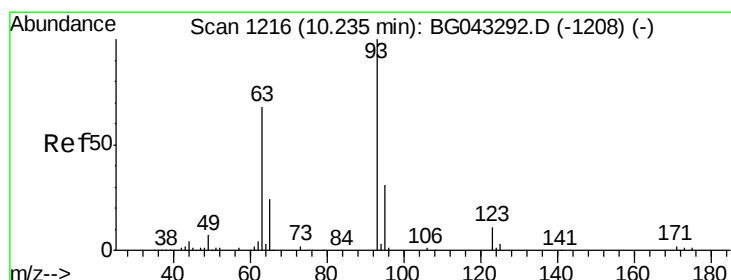
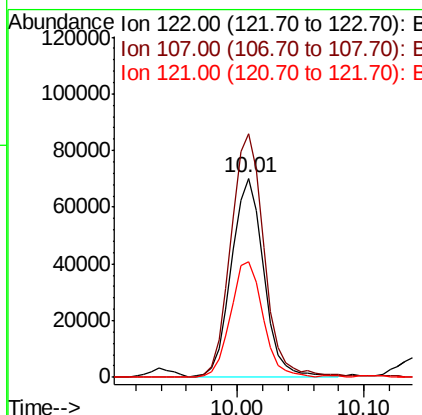
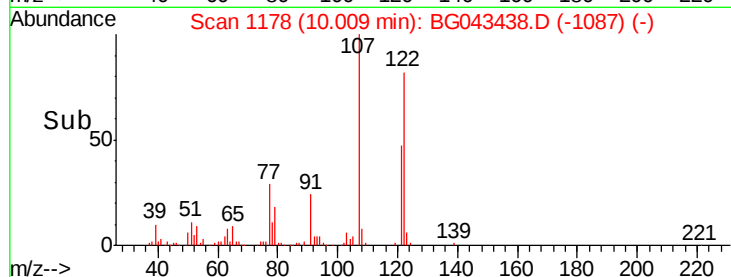
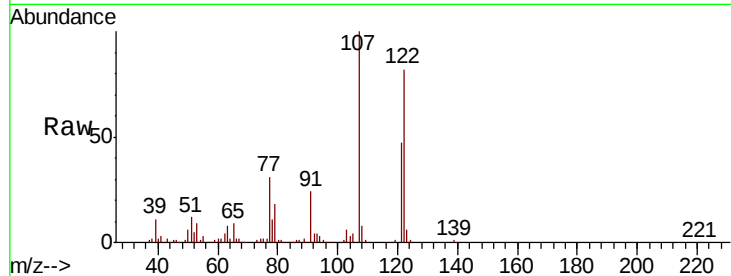
#27
 2,4-Dimethylphenol
 Concen: 55.260 ng
 RT: 10.01 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.1	98.6	147.8
121	57.8	50.1	75.1

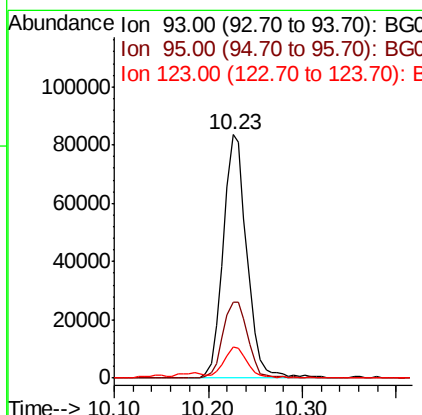
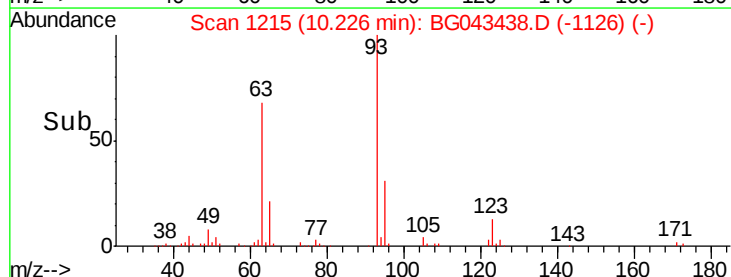
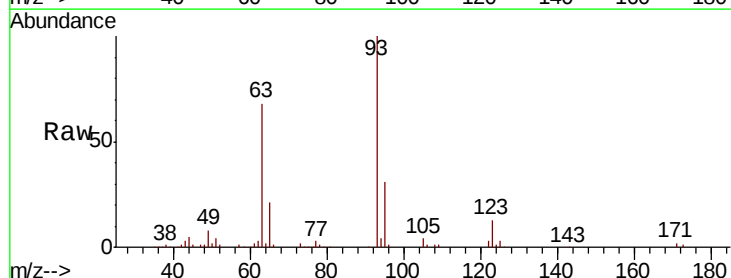
Manual Integrations
 APPROVED

mohammad
 11/1/2019 2:05:13 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.469 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.4	24.9	37.3
123	12.6	8.9	13.3





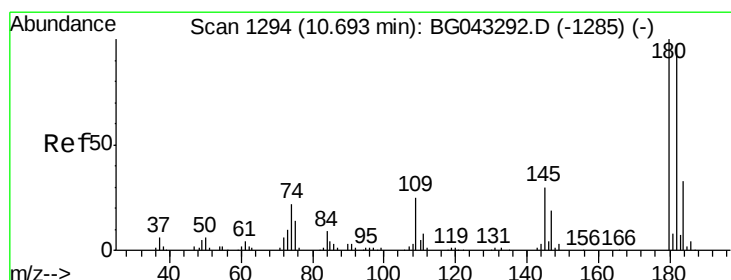
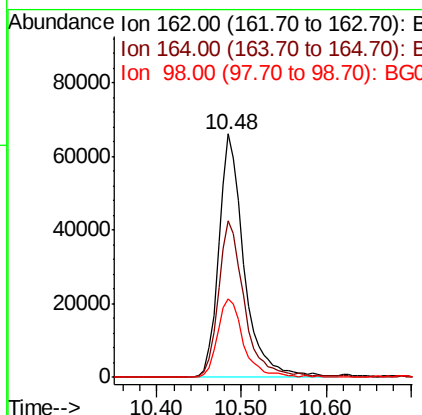
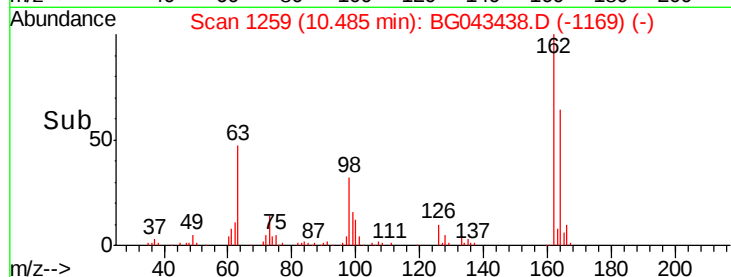
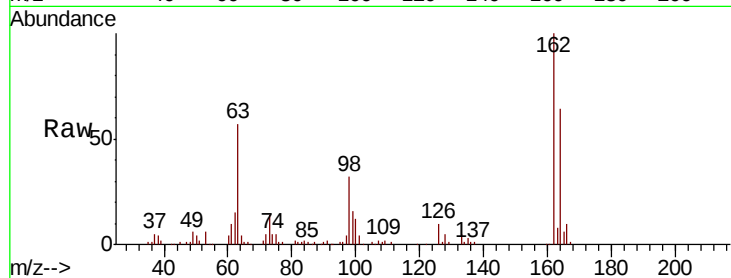
#29
2,4-Dichlorophenol
Concen: 48.758 ng
RT: 10.48 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	37.3	77.3
98	32.4	11.8	51.8

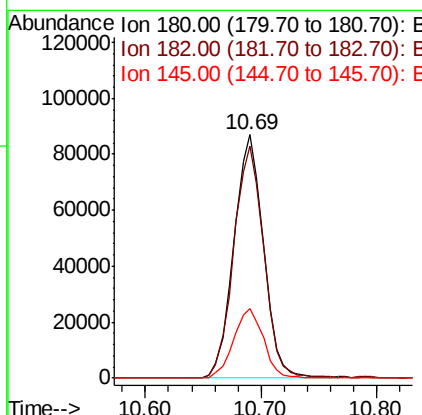
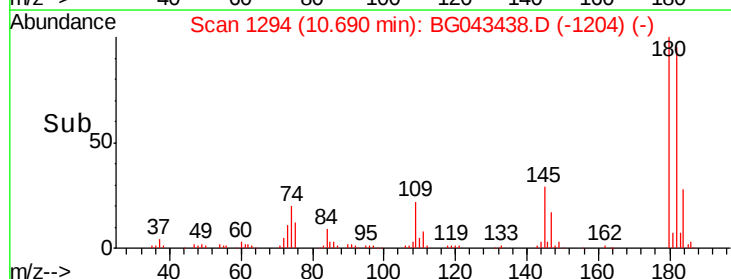
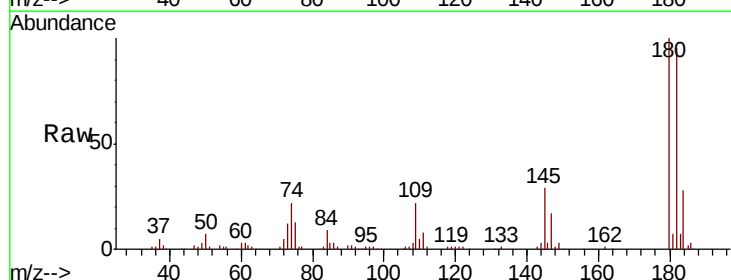
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#30
1,2,4-Trichlorobenzene
Concen: 43.518 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.8	116.8
145	28.8	23.6	35.4





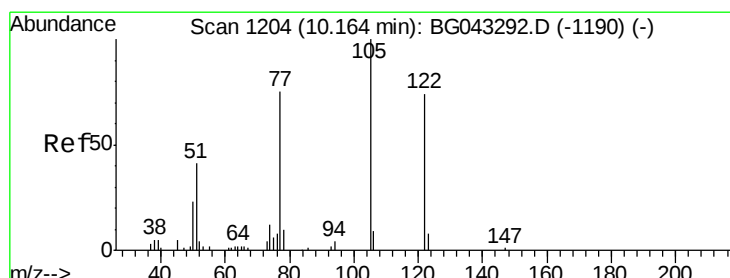
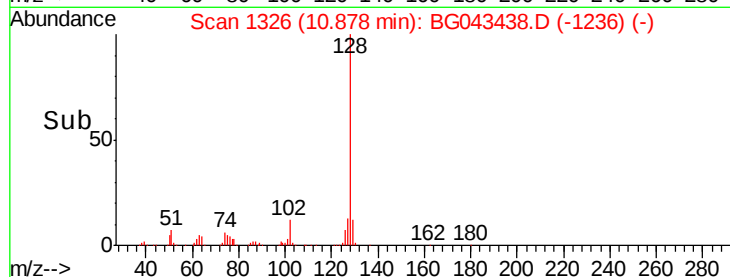
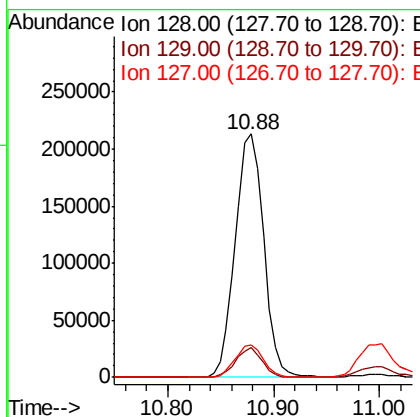
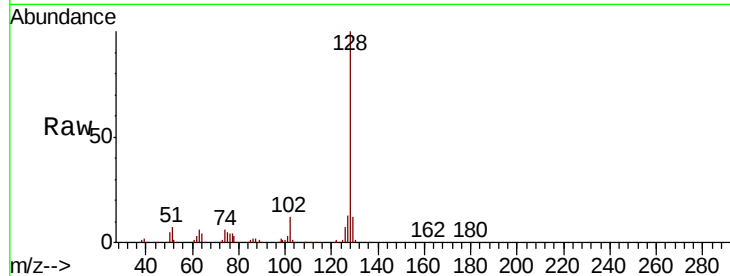
#31
Naphthalene
Concen: 45.616 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.6	12.8
127	13.3	11.5	17.3

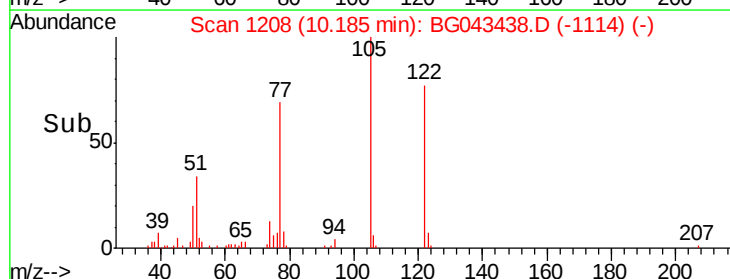
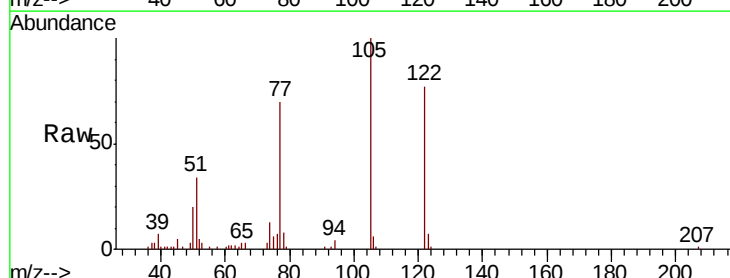
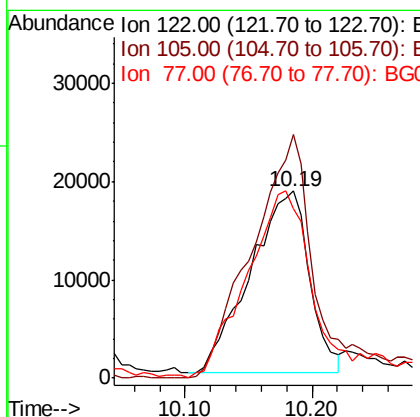
Manual Integrations
APPROVED

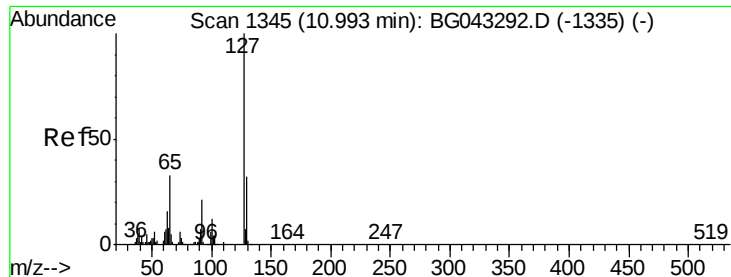
mohammad
11/1/2019 2:05:13 PM



#32
Benzoic acid
Concen: 37.916 ng
RT: 10.19 min Scan# 1208
Delta R.T. 0.02 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	130.1	112.4	152.4
77	90.7	82.7	122.7





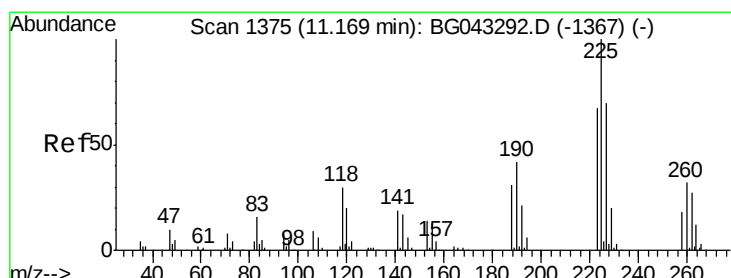
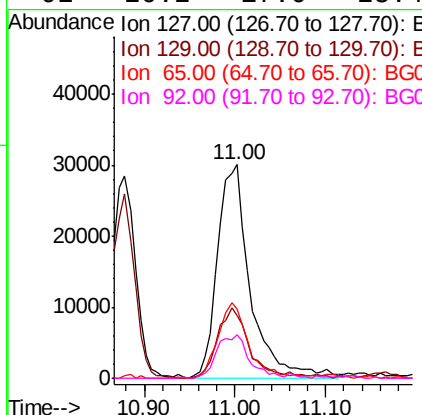
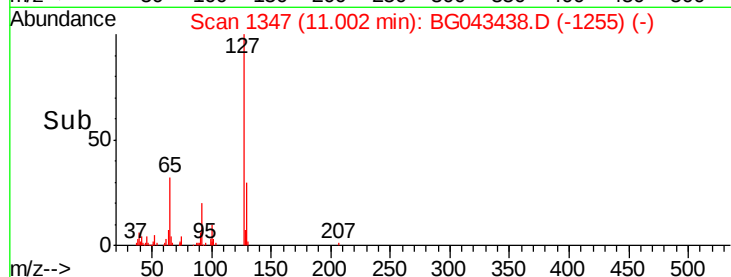
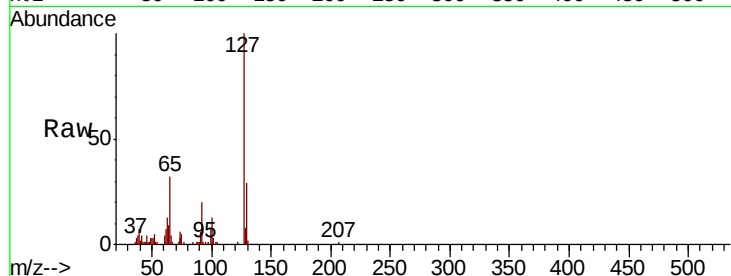
#33
4-Chloroaniline
Concen: 21.107 ng
RT: 11.00 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	29.3	25.8	38.8
65	32.2	26.2	39.2
92	20.2	17.0	25.4

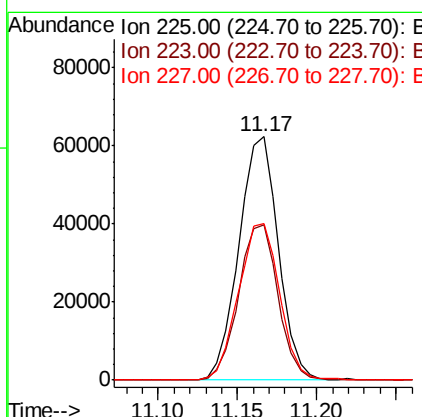
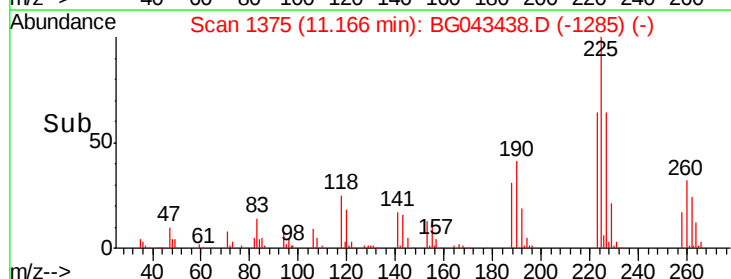
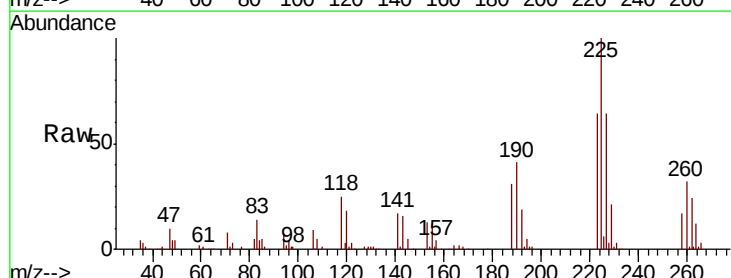
Manual Integrations
APPROVED

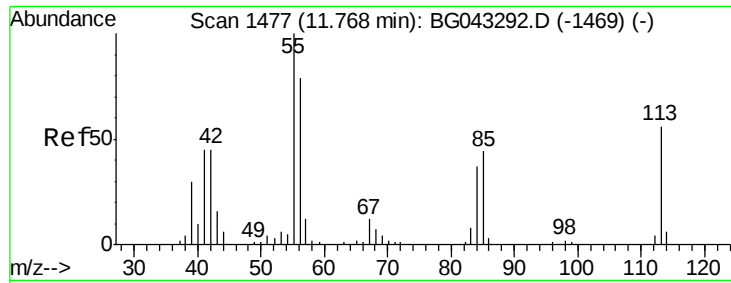
mohammad
11/1/2019 2:05:13 PM



#34
Hexachlorobutadiene
Concen: 41.014 ng
RT: 11.17 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	53.2	79.8
227	64.3	56.2	84.2





#35

Caprolactam

Concen: 44.741 ng/mL

RT: 11.76 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

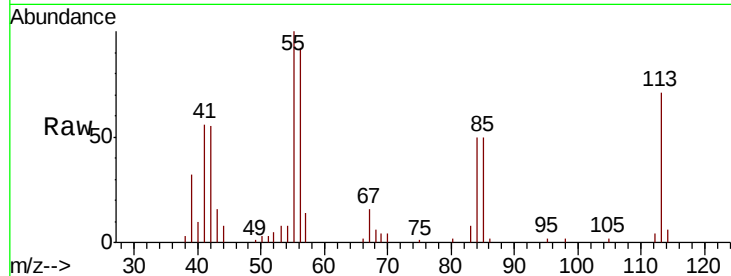
ClientSampleId :

169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	141.6	158.9	198.9#
56	130.5	121.4	161.4

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM

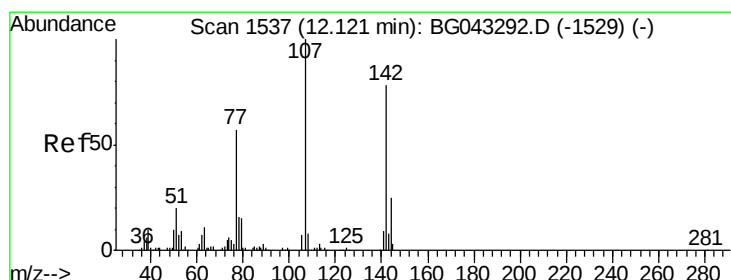
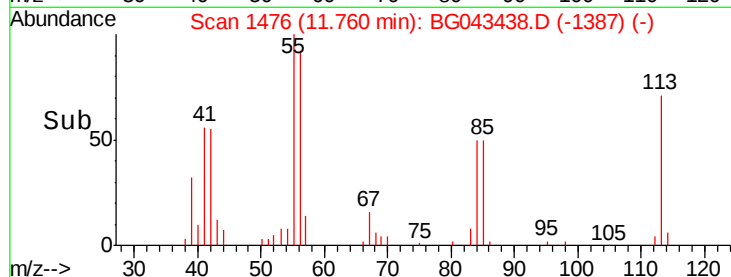
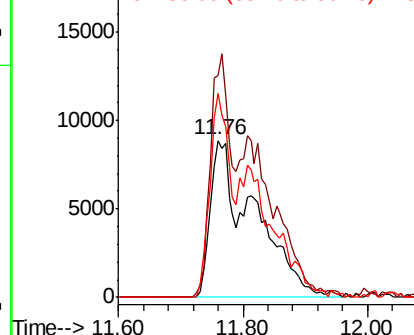


Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 47.261 ng/mL

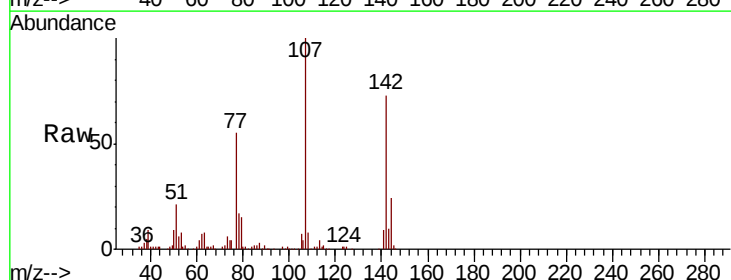
RT: 12.12 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.9	29.9
142	72.7	62.1	93.1

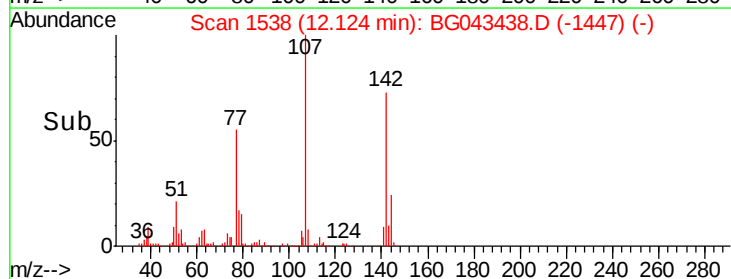
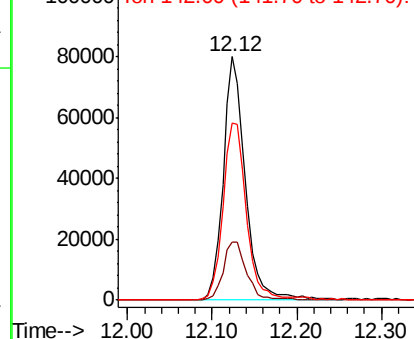


Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.006 ng

RT: 12.48 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

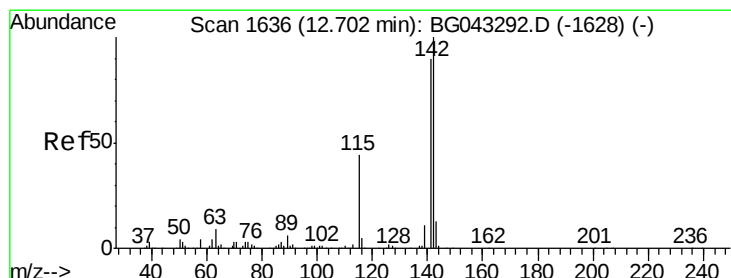
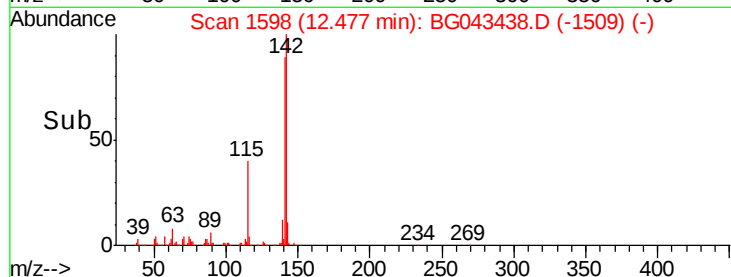
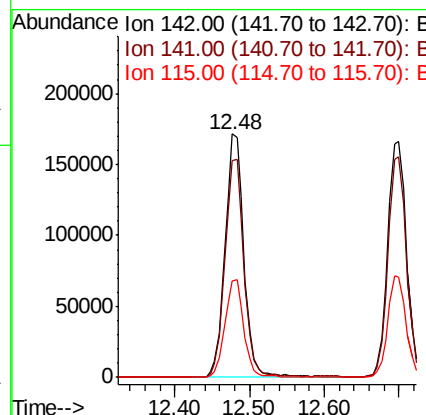
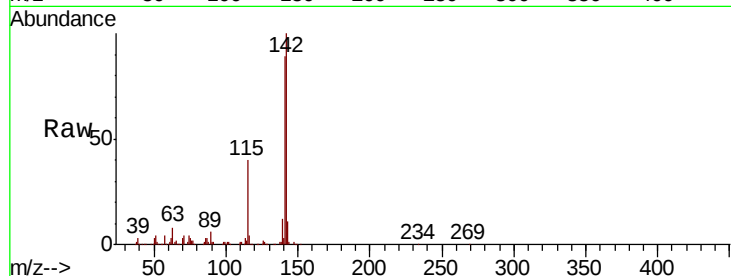
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	142	Resp:	302344
Ion Ratio	Lower	Upper	
142	100		
141	88.8	69.7	104.5
115	39.8	30.6	46.0

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#38

1-Methylnaphthalene

Concen: 45.109 ng

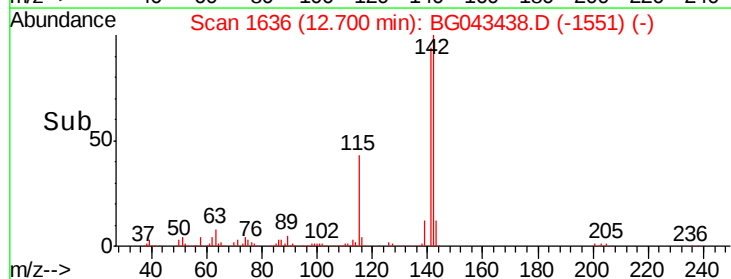
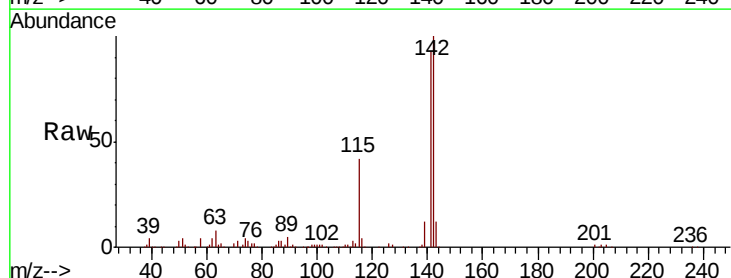
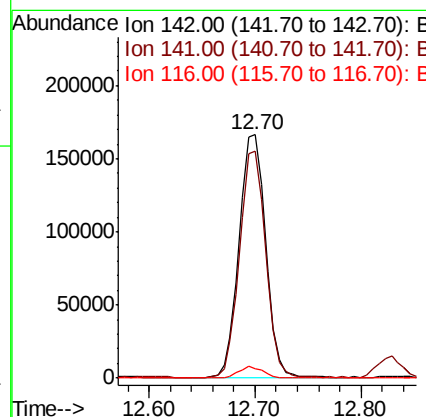
RT: 12.70 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	142	Resp:	288330
Ion Ratio	Lower	Upper	
142	100		
141	93.2	72.3	108.5
116	4.0	3.8	5.6





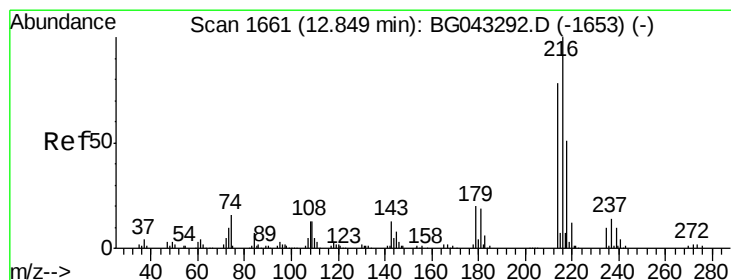
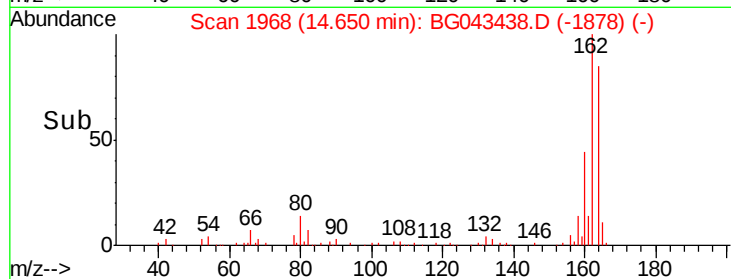
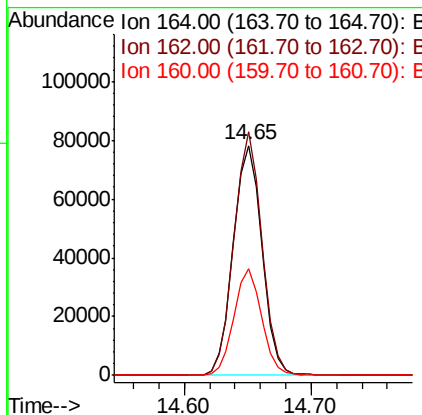
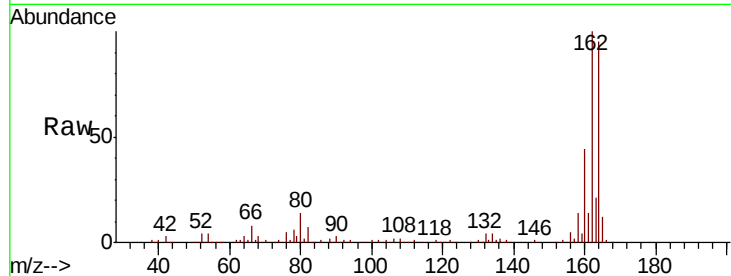
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	87.0	130.4
160	46.3	35.5	53.3

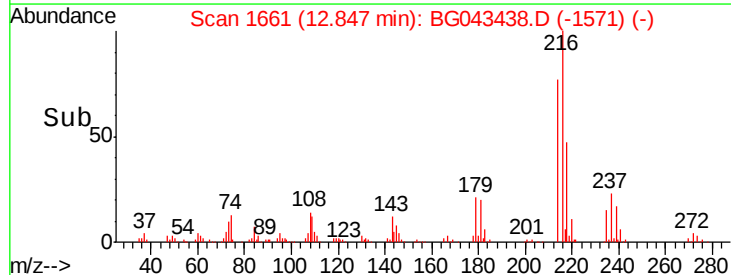
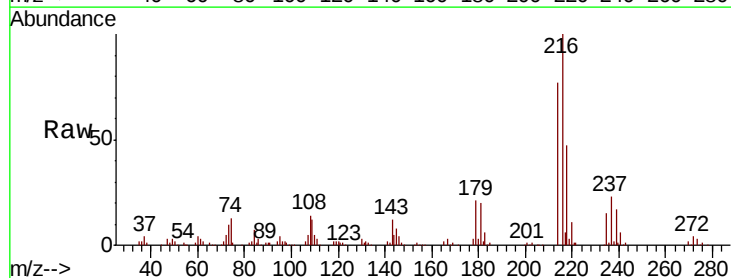
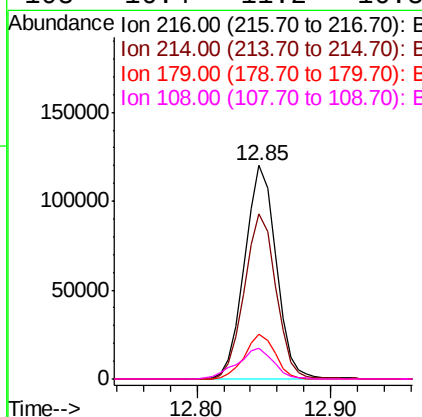
Manual Integrations
APPROVED

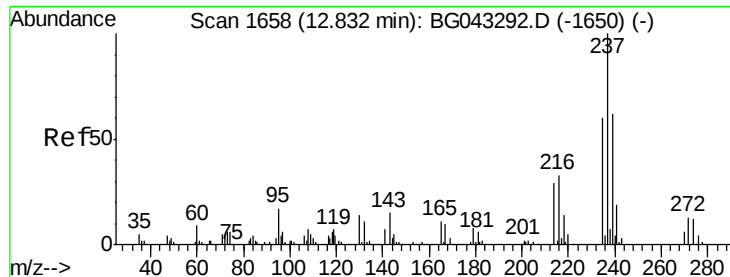
mohammad
11/1/2019 2:05:13 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.275 ng
RT: 12.85 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.9	63.5	95.3
179	20.1	16.2	24.2
108	16.4	11.2	16.8





#41

Hexachlorocyclopentadiene

Concen: 100.919 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

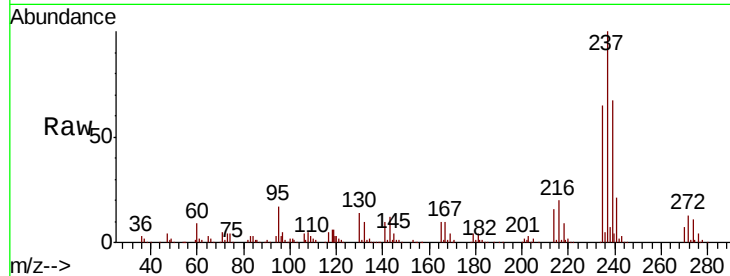
ClientSampleId :

169-32-(0-1)MSD

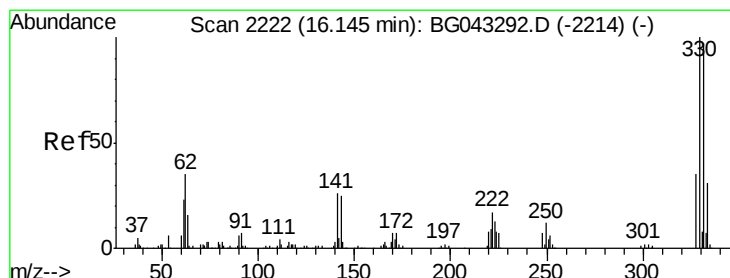
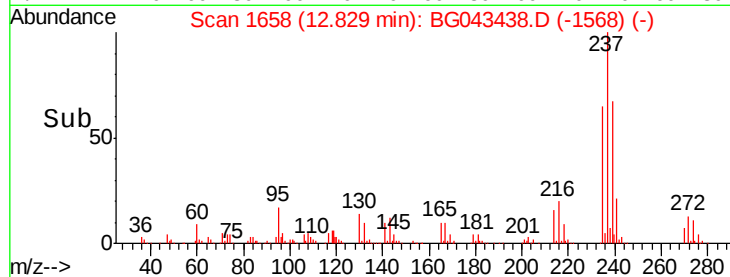
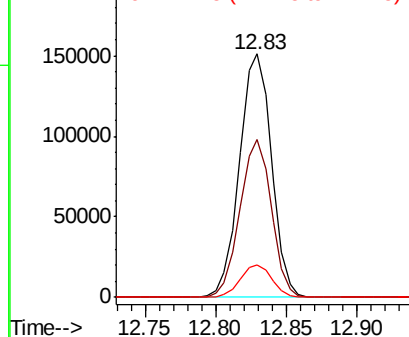
Tot Ion:	237	Resp:	239660
Ion Ratio	Lower	Upper	
237	100		
235	65.0	40.3	80.3
272	13.3	0.0	32.9

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



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



#42

2,4,6-Tribromophenol

Concen: 96.755 ng

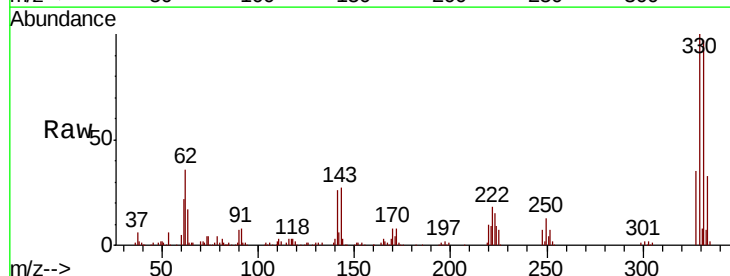
RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

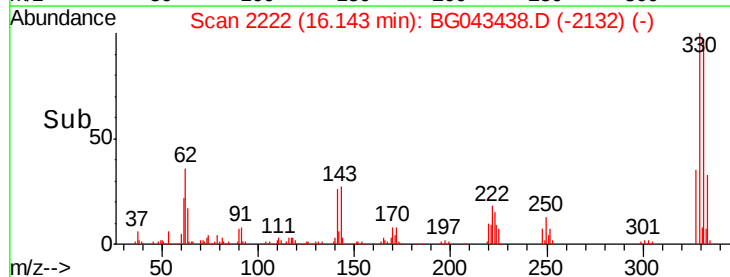
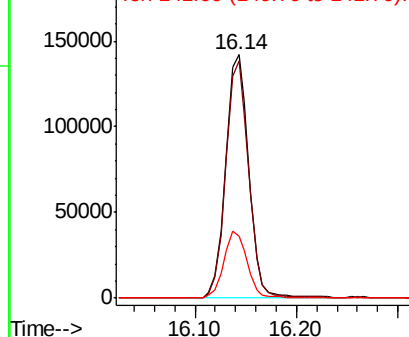
Lab File: BG043438.D

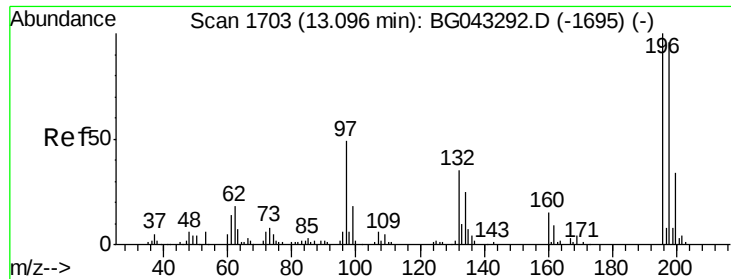
Acq: 31 Oct 2019 17:45

Tgt Ion:	330	Resp:	224917
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.4	114.6
141	27.5	21.4	32.0



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





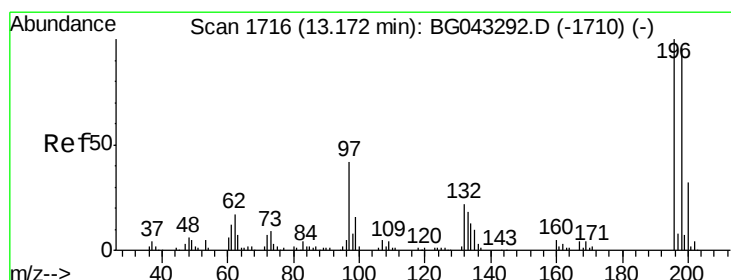
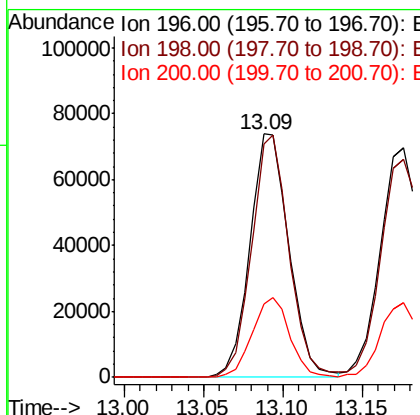
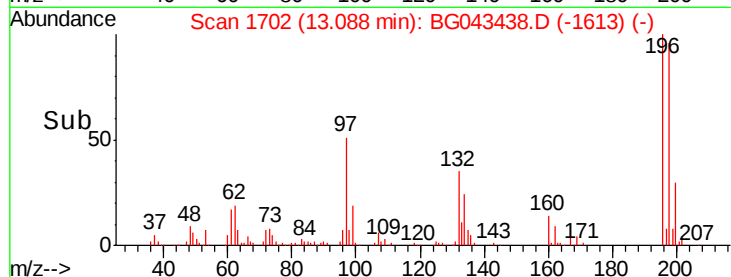
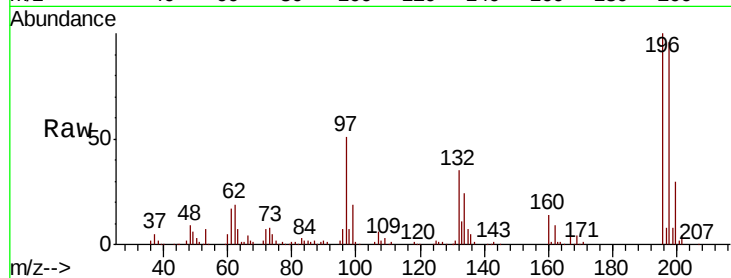
#43
 2,4,6-Trichlorophenol
 Concen: 47.414 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	126231		
198	95.6	77.0	115.4	
200	30.3	27.4	41.2	

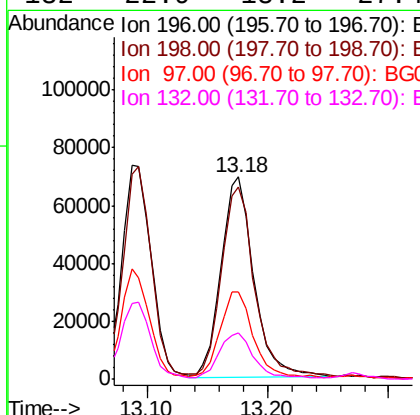
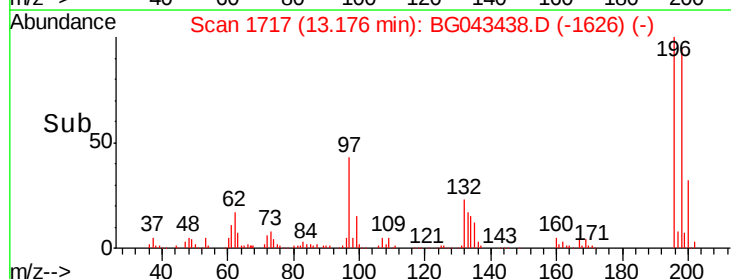
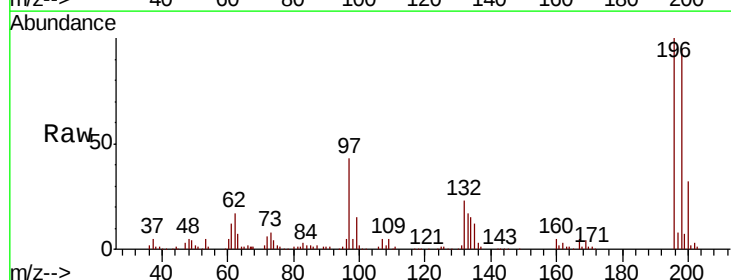
Manual Integrations
 APPROVED

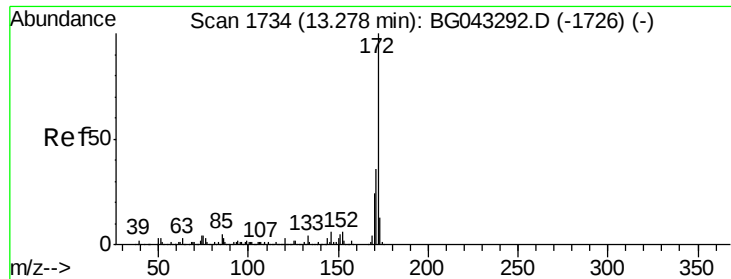
mohammad
 11/1/2019 2:05:13 PM



#44
 2,4,5-Trichlorophenol
 Concen: 48.811 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	131378		
198	94.9	76.6	114.8	
97	43.3	34.1	51.1	
132	22.9	18.2	27.4	





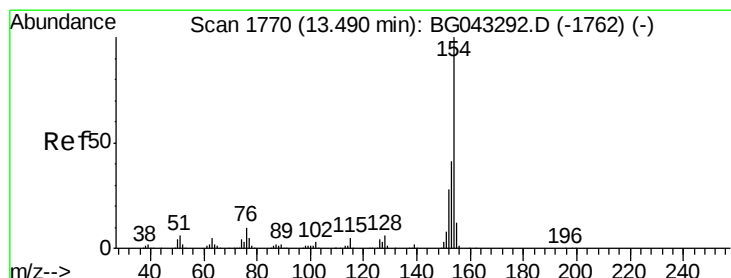
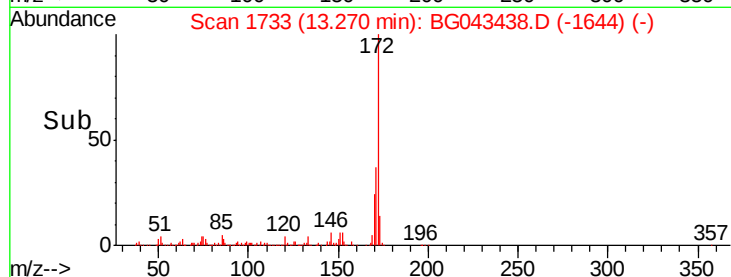
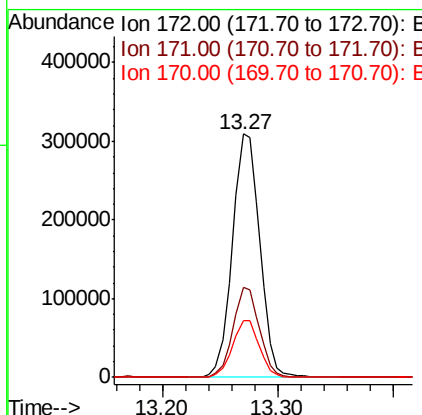
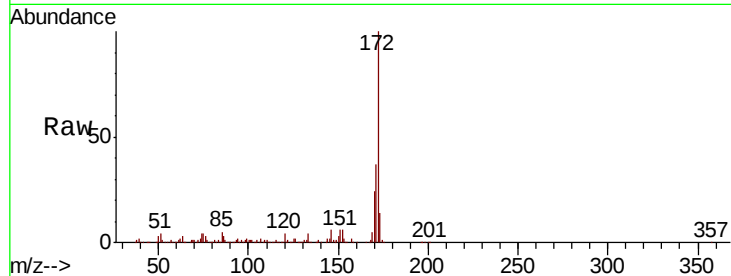
#45
2-Fluorobiphenyl
Concen: 57.419 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.5	42.7
170	23.5	18.8	28.2

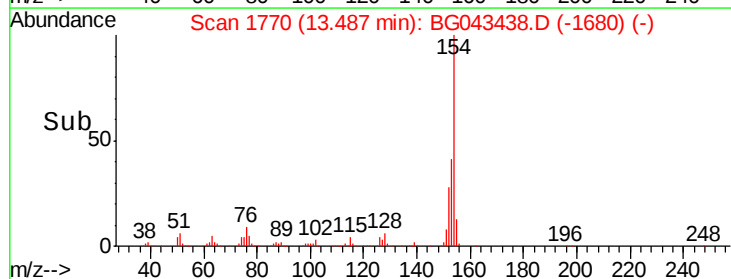
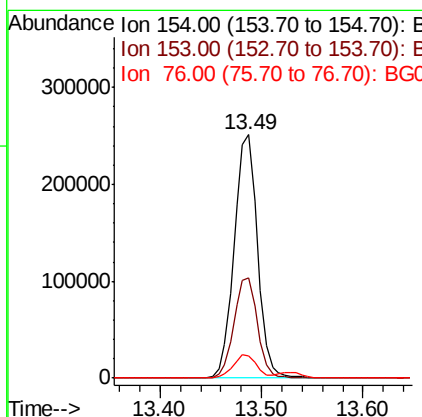
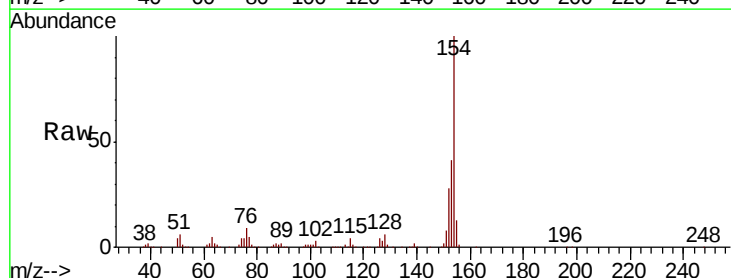
Manual Integrations
APPROVED

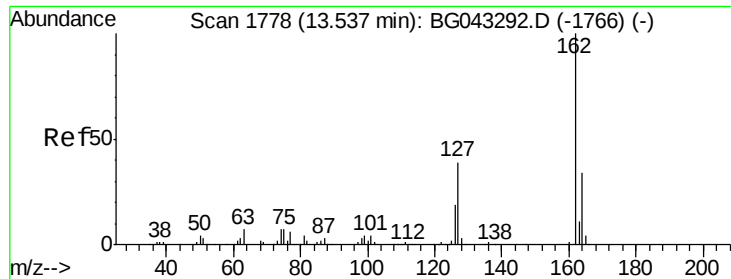
mohammad
11/1/2019 2:05:13 PM



#46
1,1'-Biphenyl
Concen: 43.252 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	8.9	0.0	29.8





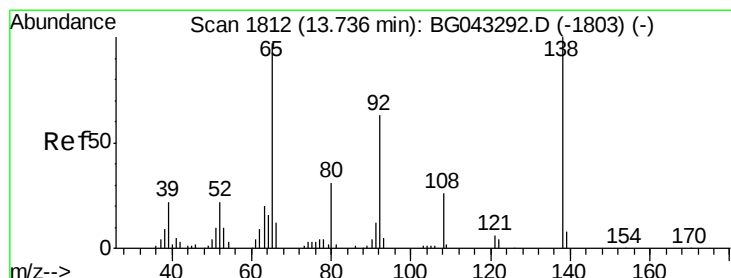
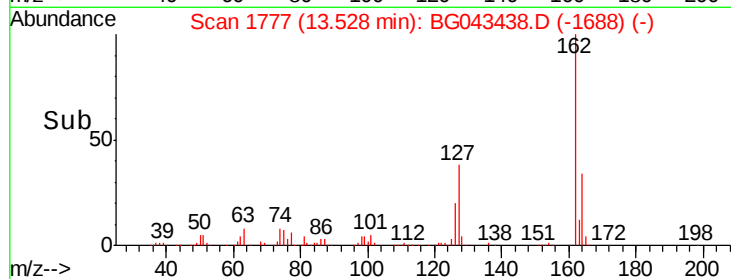
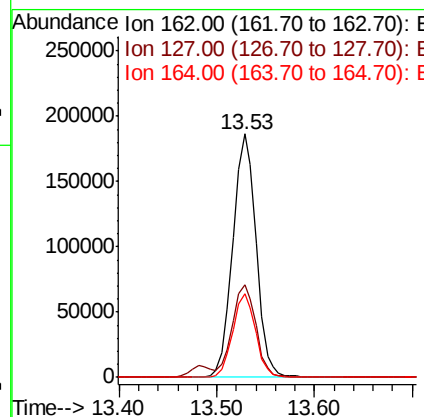
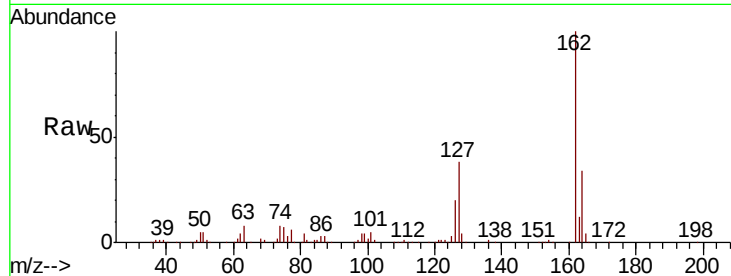
#47
2-Chloronaphthalene
Concen: 43.809 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	38.1	31.3	46.9	
164	34.3	26.8	40.2	

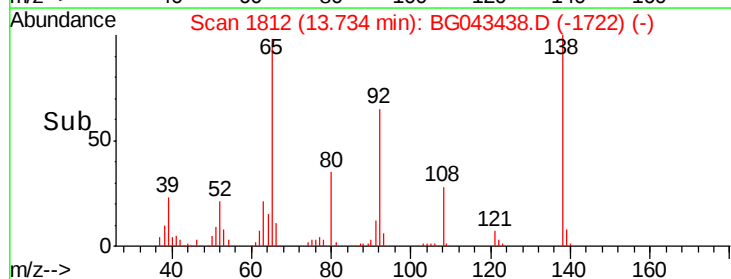
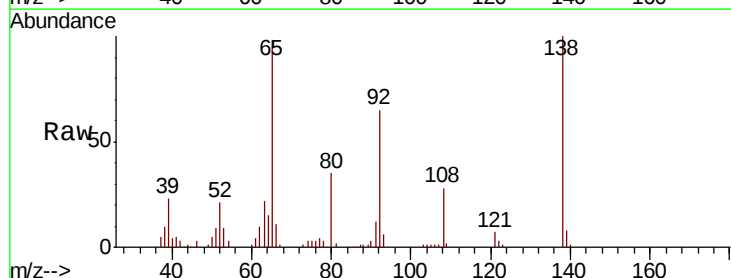
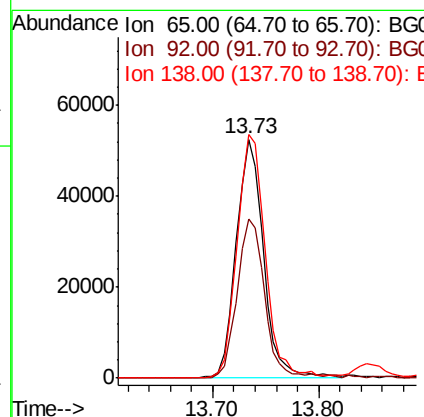
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#48
2-Nitroaniline
Concen: 44.236 ng
RT: 13.73 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	66.6	52.6	79.0	
138	102.0	82.9	124.3	





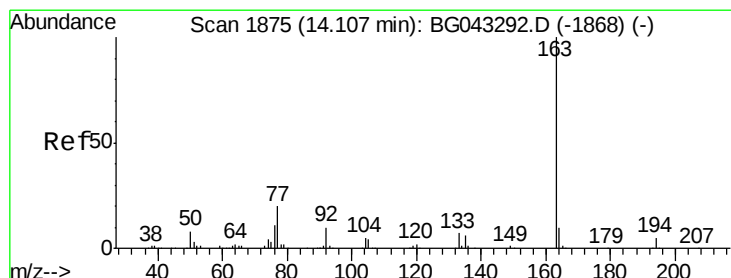
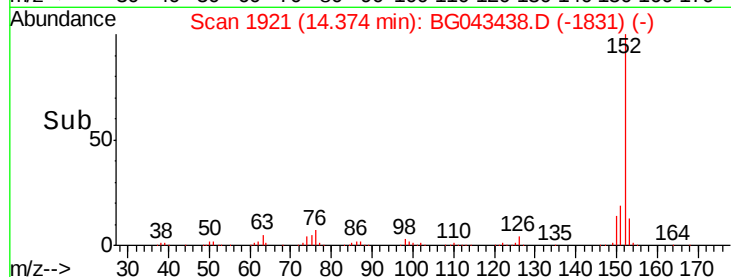
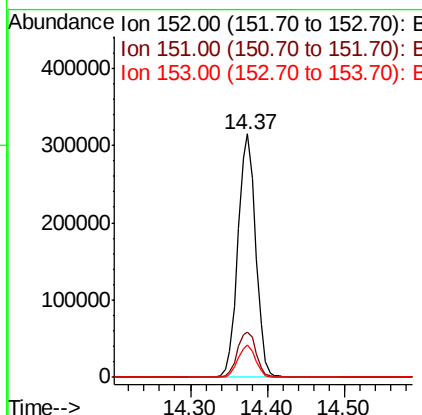
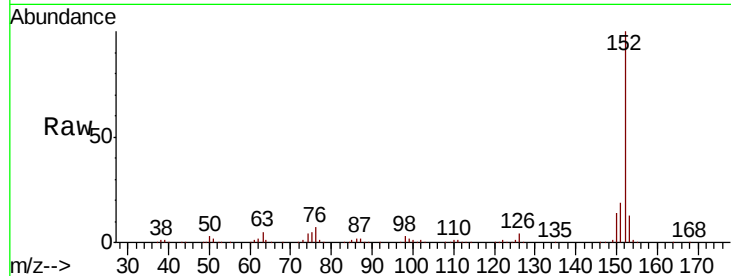
#49
Acenaphthylene
Concen: 46.492 ng
RT: 14.37 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		511620		
151	18.8	17.2	25.8		
153	13.2	11.0	16.6		

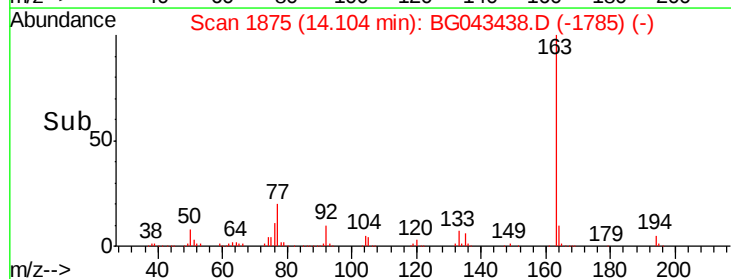
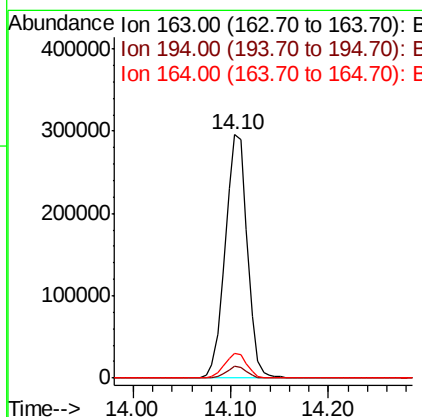
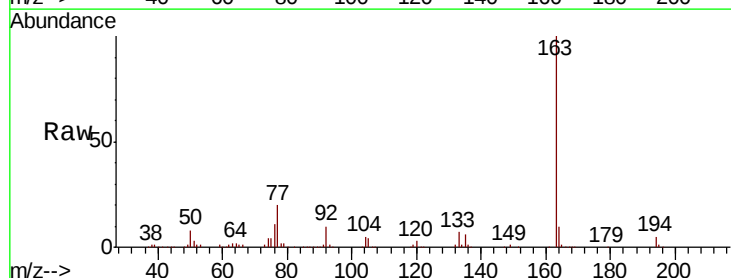
Manual Integrations
APPROVED

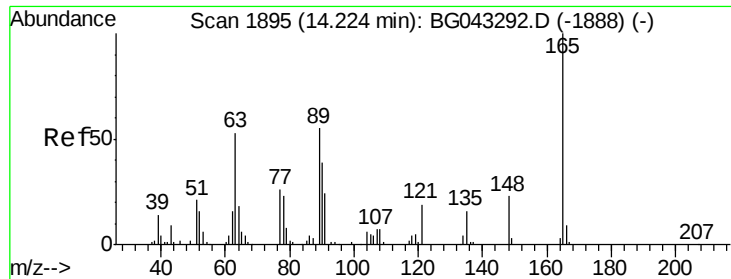
mohammad
11/1/2019 2:05:13 PM



#50
Dimethylphthalate
Concen: 48.790 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		461634		
194	4.7	3.7	5.5		
164	10.3	8.1	12.1		





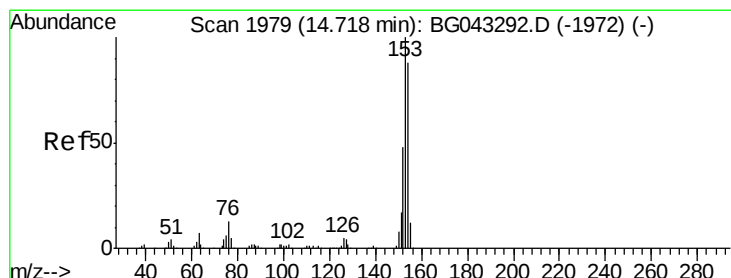
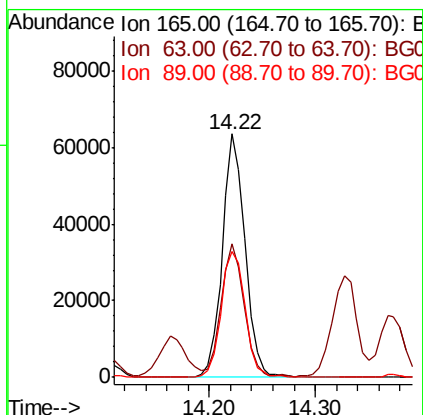
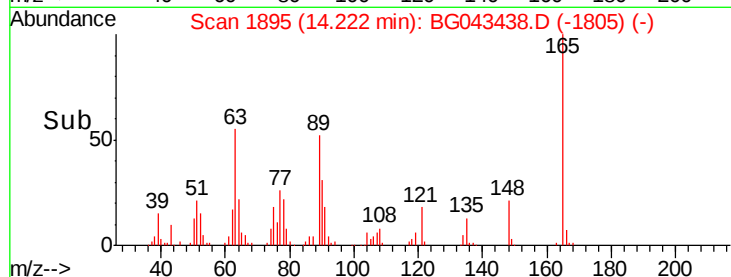
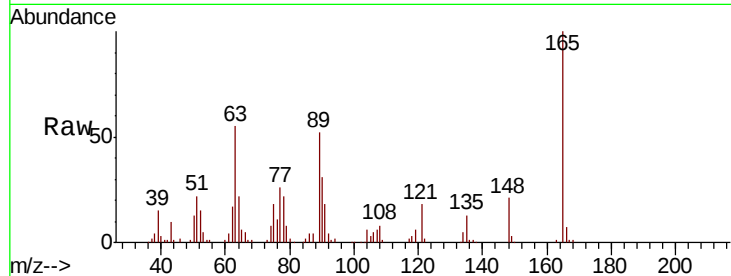
#51
 2,6-Dinitrotoluene
 Concen: 45.993 ng
 RT: 14.22 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	54.9	47.1	70.7
89	51.7	43.7	65.5

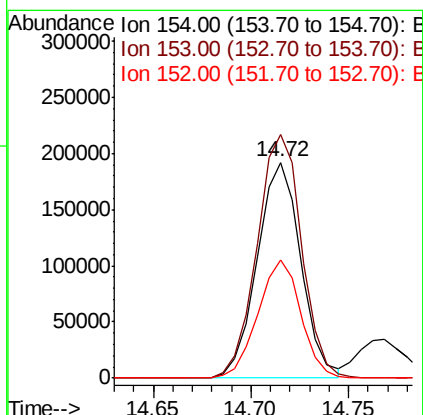
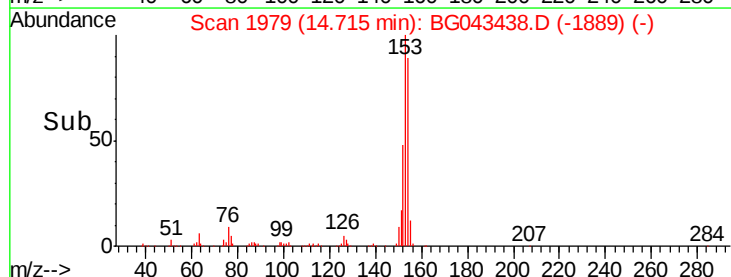
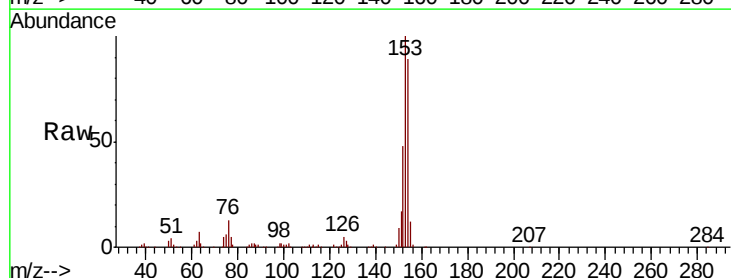
Manual Integrations
 APPROVED

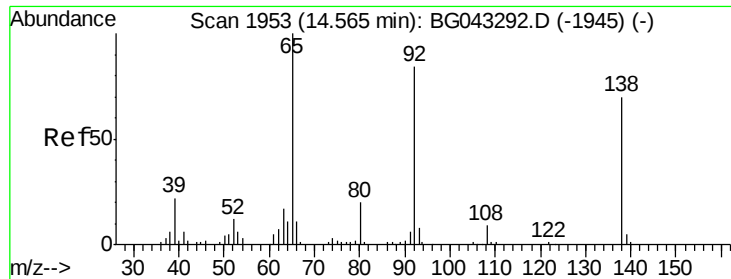
mohammad
 11/1/2019 2:05:13 PM



#52
 Acenaphthene
 Concen: 44.354 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.9	136.3
152	54.5	43.9	65.9





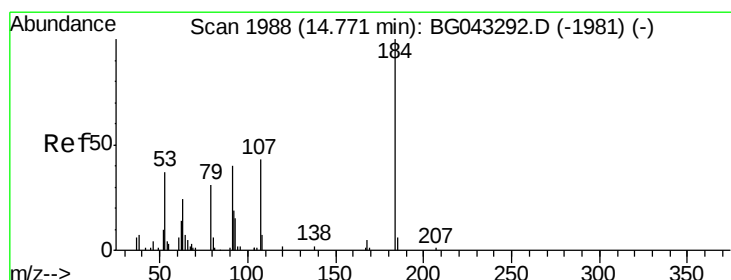
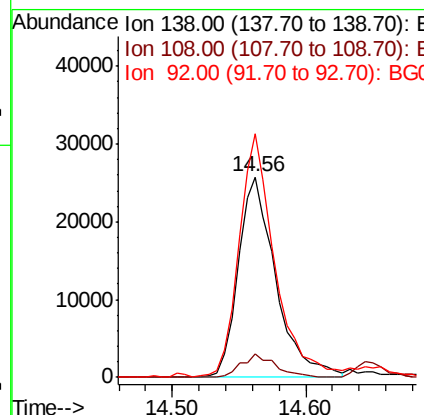
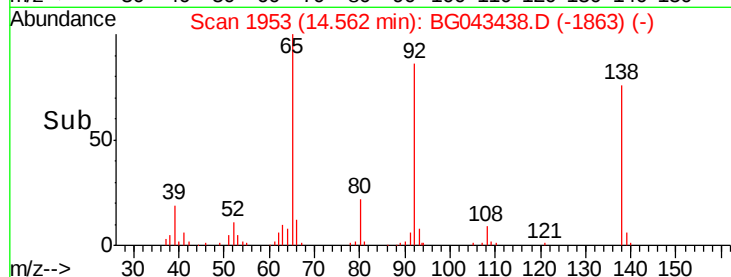
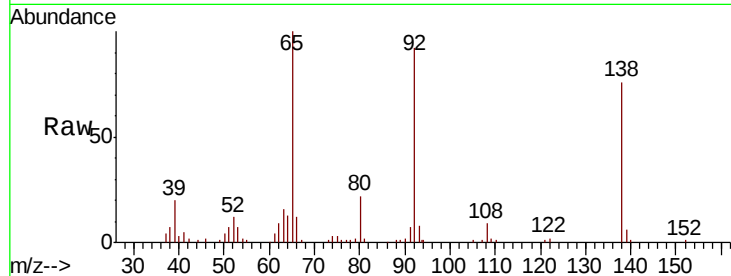
#53
3-Nitroaniline
Concen: 25.291 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.8	14.6
92	121.3	95.8	143.6

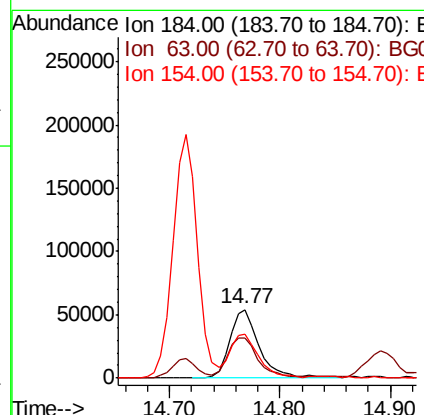
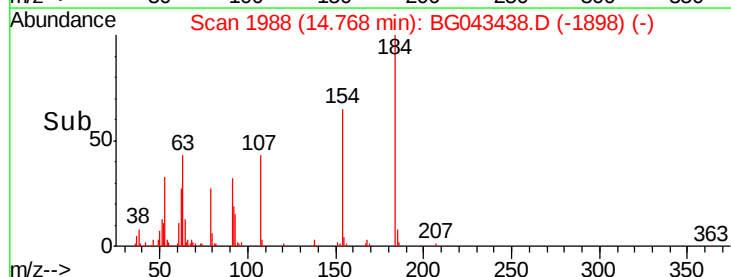
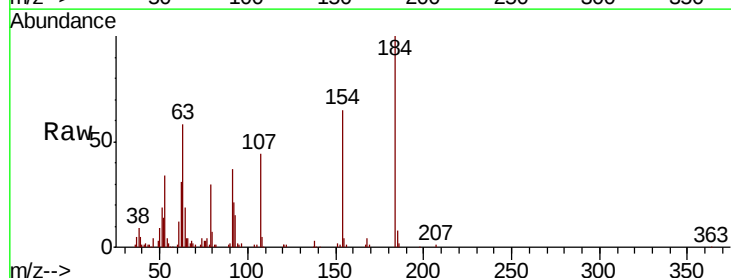
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#54
2,4-Dinitrophenol
Concen: 78.749 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.1	48.8	73.2
154	64.5	49.4	74.0





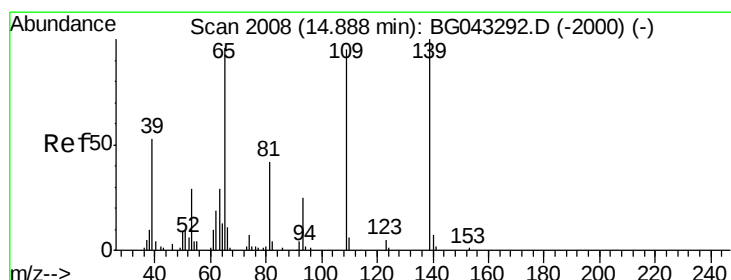
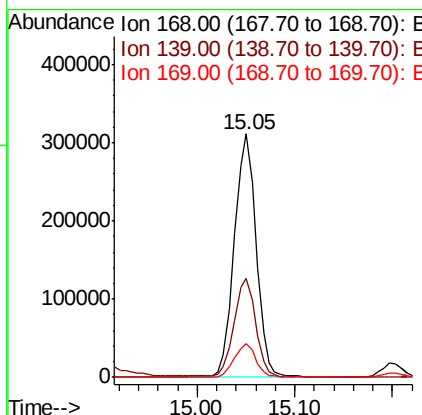
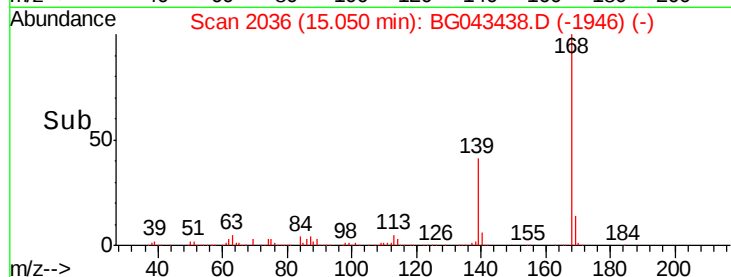
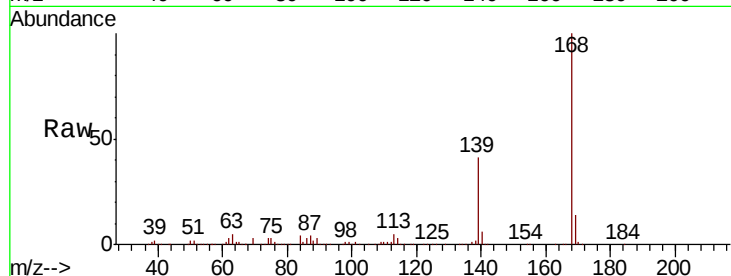
#55
Dibenzenofuran
Concen: 44.631 ng
RT: 15.05 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	31.7	47.5
169	13.7	11.0	16.4

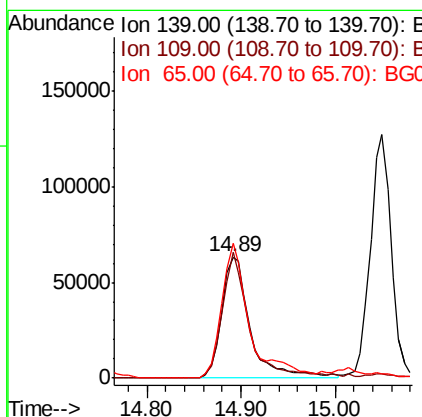
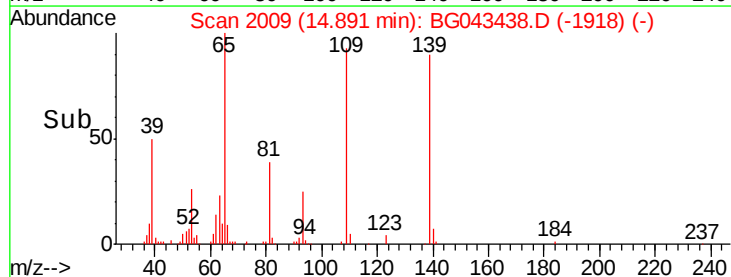
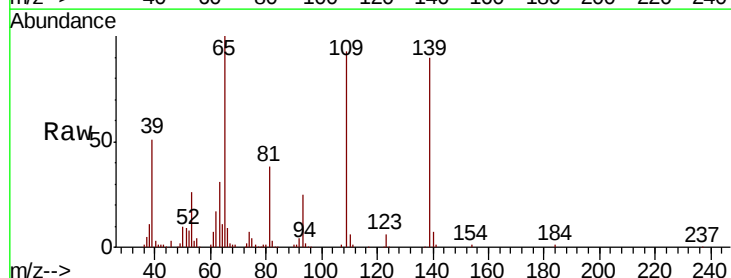
Manual Integrations
APPROVED

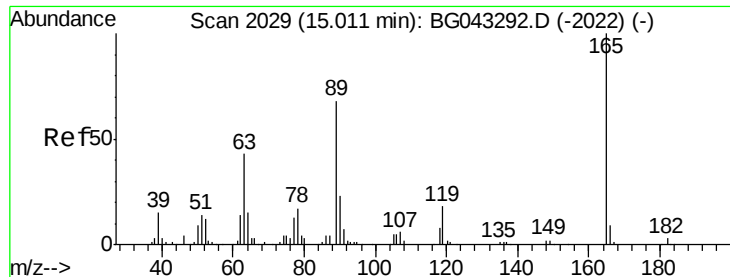
mohammad
11/1/2019 2:05:13 PM



#56
4-Nitrophenol
Concen: 101.346 ng
RT: 14.89 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
139	100		
109	103.6	75.4	115.4
65	111.5	76.6	116.6





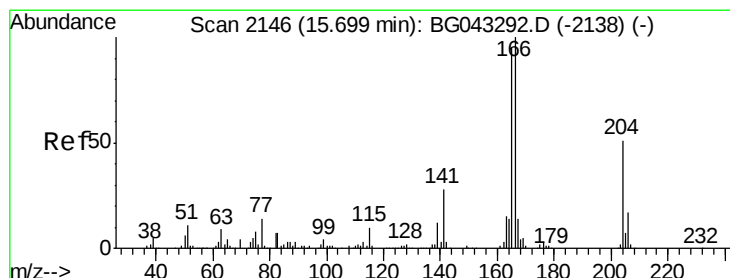
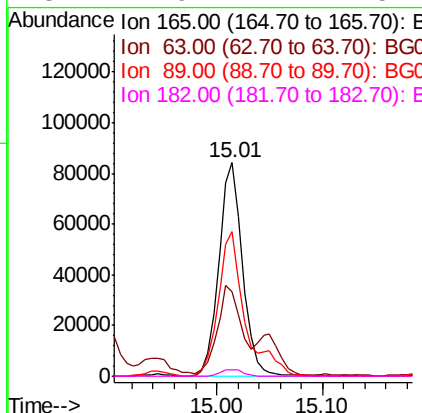
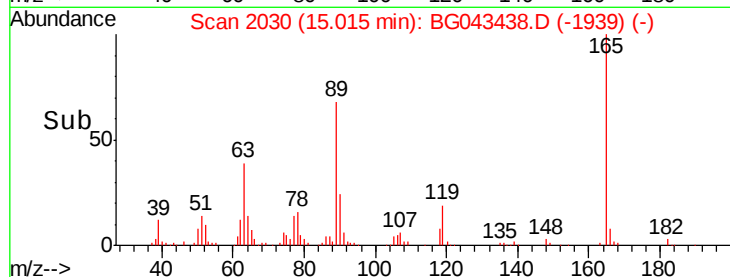
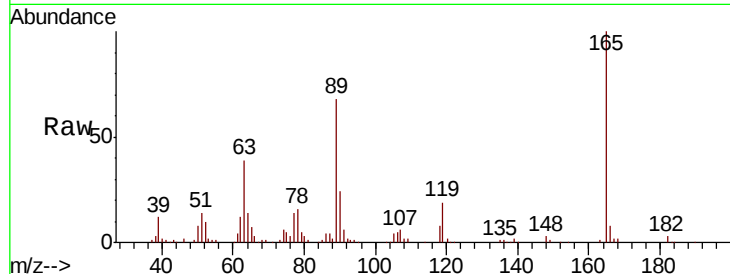
#57
2,4-Dinitrotoluene
Concen: 44.860 ng
RT: 15.01 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		131781		
63	39.5	35.0	52.6		
89	67.8	54.1	81.1		
182	2.9	2.2	3.2		

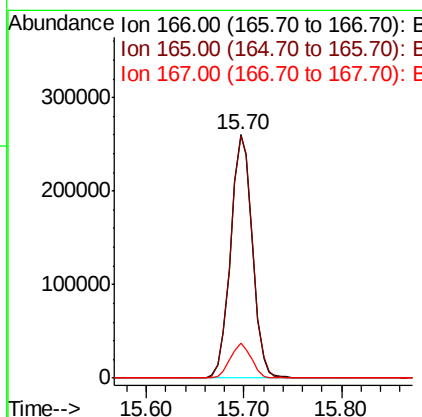
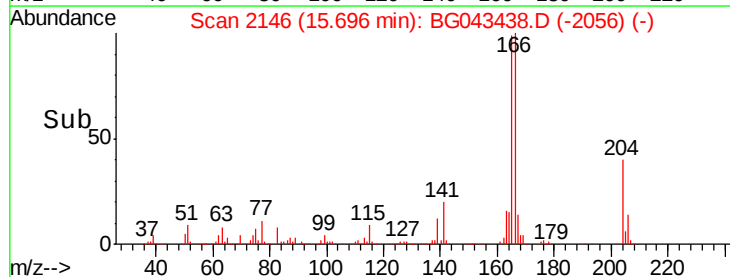
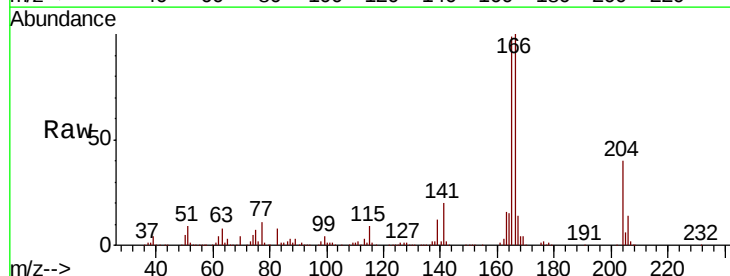
Manual Integrations
APPROVED

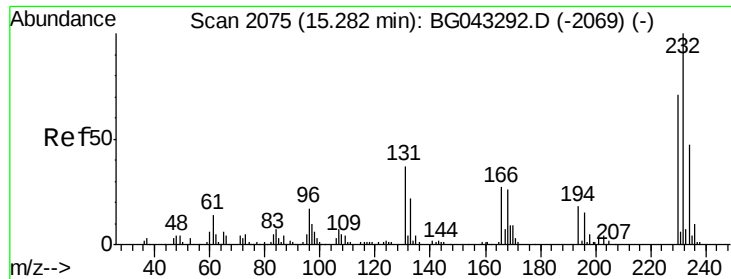
mohammad
11/1/2019 2:05:13 PM



#58
Fluorene
Concen: 43.854 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		400277		
165	99.4	76.4	114.6		
167	14.1	11.1	16.7		





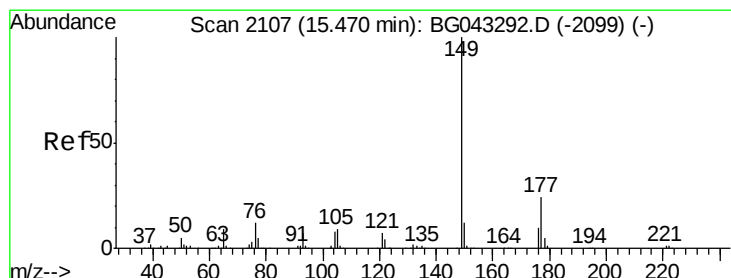
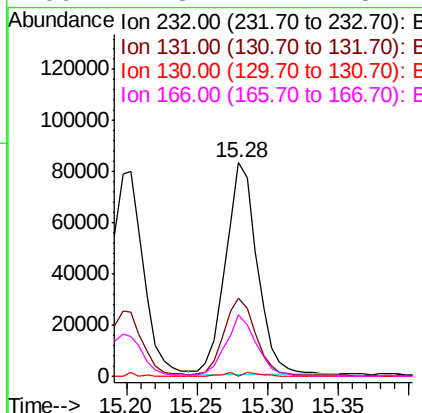
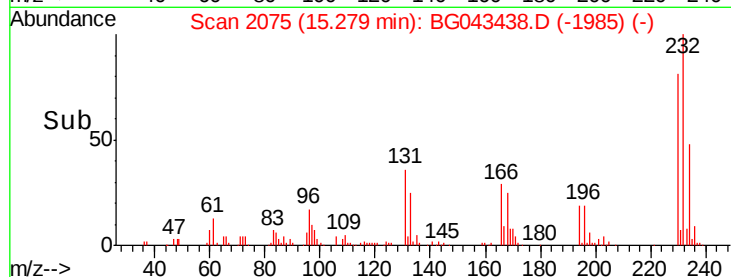
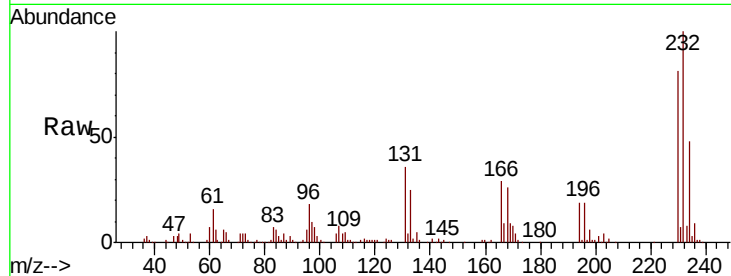
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.510 ng
 RT: 15.28 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	38.1	28.7	43.1
130	0.6	0.6	0.8
166	27.3	21.1	31.7

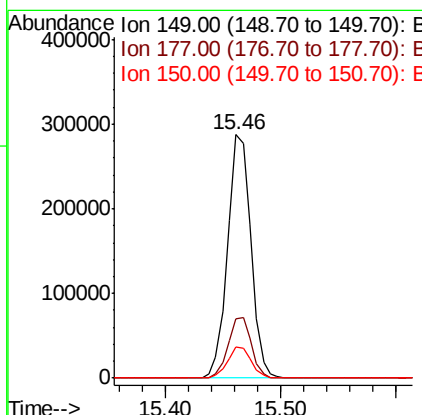
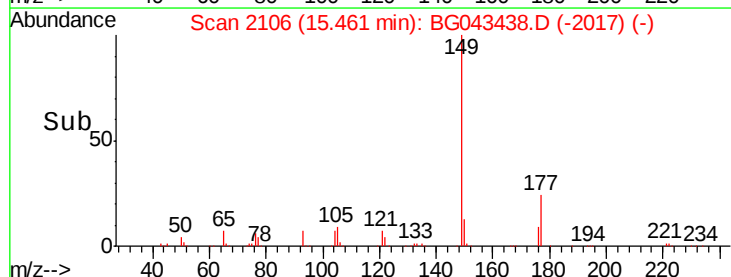
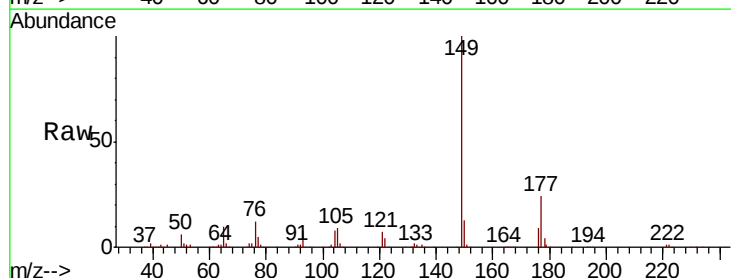
Manual Integrations
 APPROVED

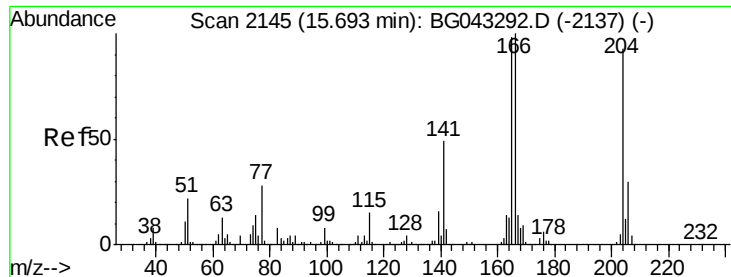
mohammad
 11/1/2019 2:05:13 PM



#60
 Diethylphthalate
 Concen: 42.401 ng
 RT: 15.46 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.2	19.0	28.4
150	13.0	9.4	14.0





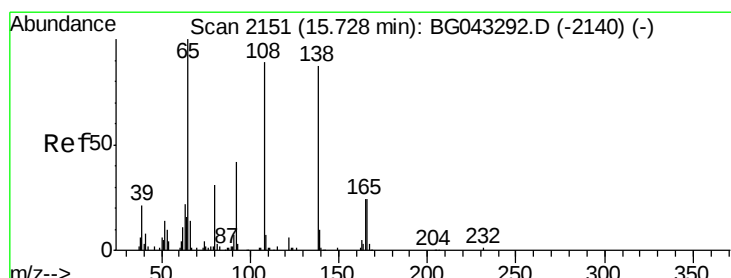
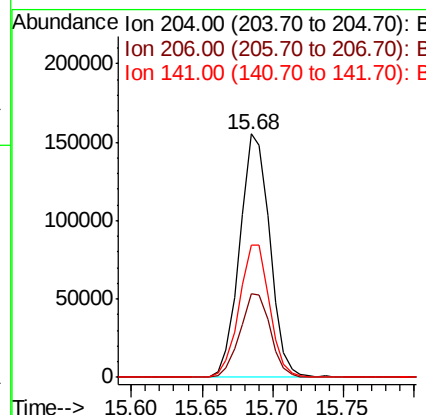
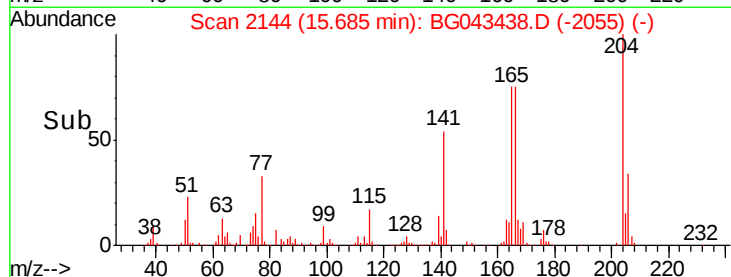
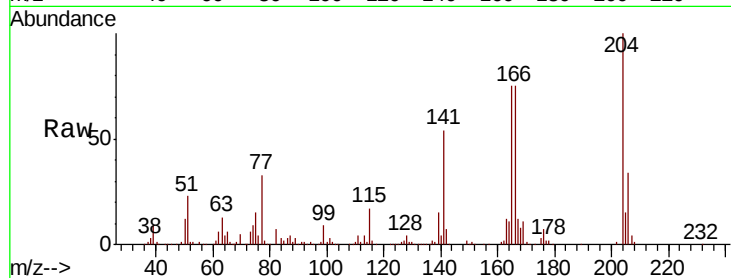
#61
4-Chlorophenyl-phenylether
Concen: 43.498 ng
RT: 15.68 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.1	25.7	38.5
141	54.4	42.3	63.5

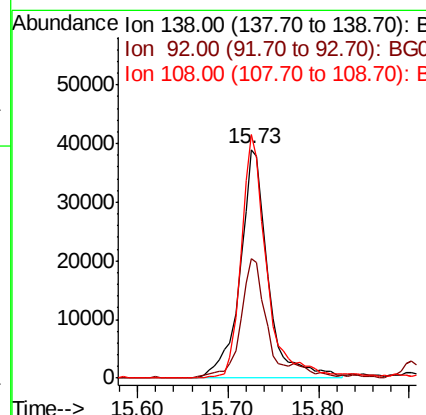
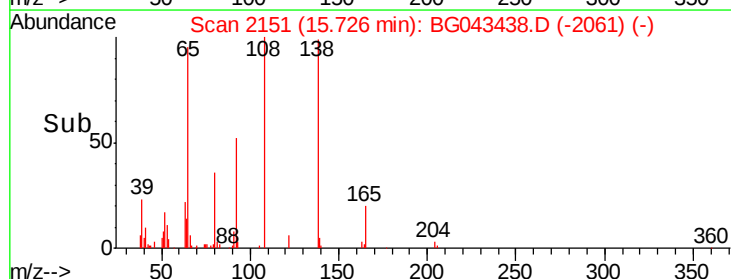
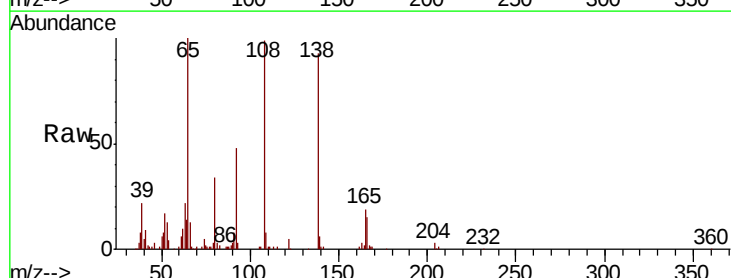
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#62
4-Nitroaniline
Concen: 40.621 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.3	28.8	68.8
108	106.4	82.7	122.7





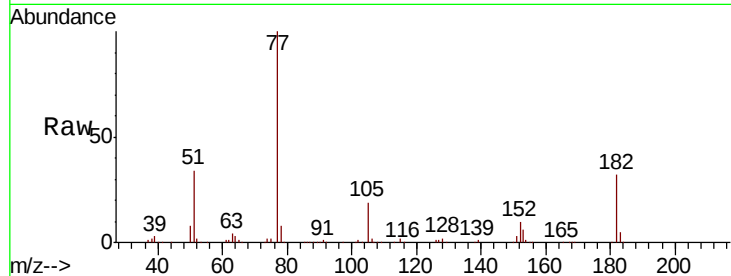
#63
Azobenzene
Concen: 44.555 ng
RT: 15.98 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

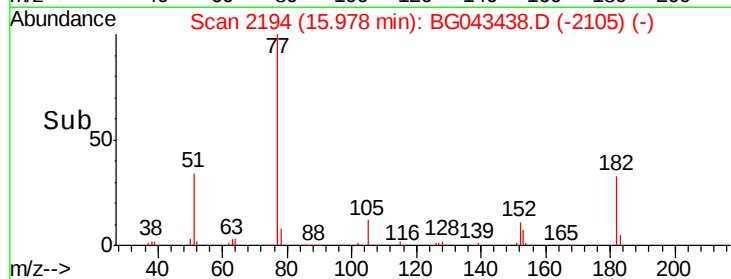
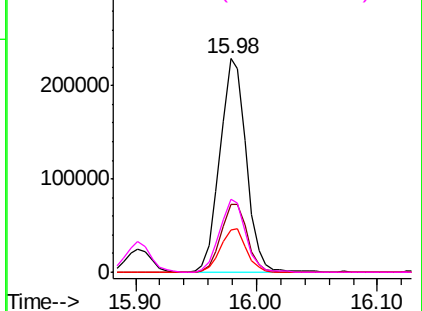
Tot Ion	Ratio	Lower	Upper
77	100		
182	31.6	14.9	54.9
105	19.5	0.6	40.6
51	34.4	12.5	52.5

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



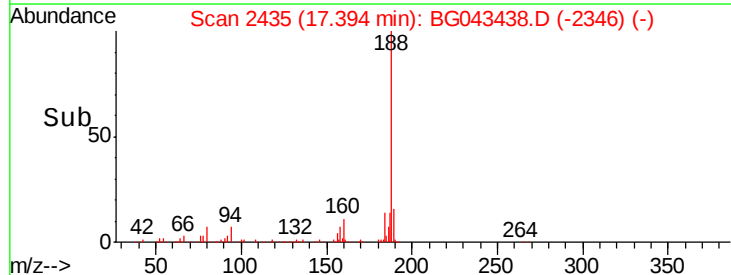
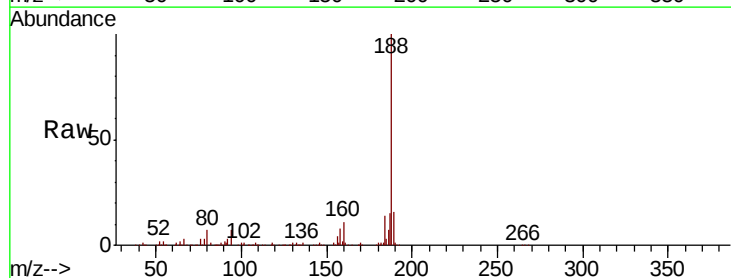
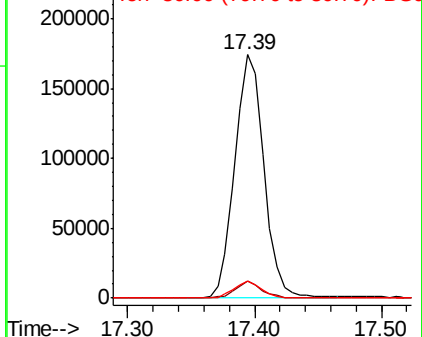
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

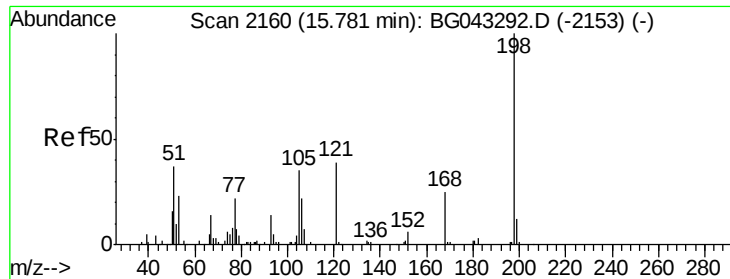


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.2	6.2#
80	7.0	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: 47.857 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

ClientSampleId :

169-32-(0-1)MSD

Tot Ion:198 Resp: 77961

Ion Ratio Lower Upper

198 100

51 36.3 21.4 61.4

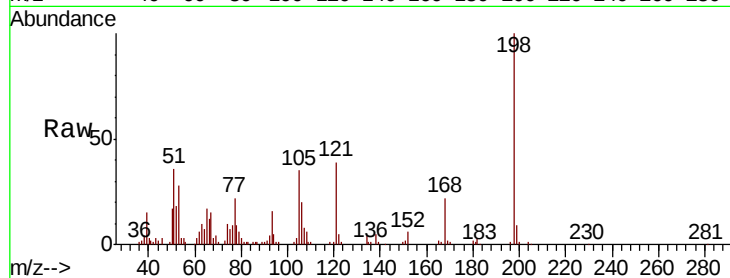
105 35.0 16.5 56.5

Manual Integrations

APPROVED

mohammad

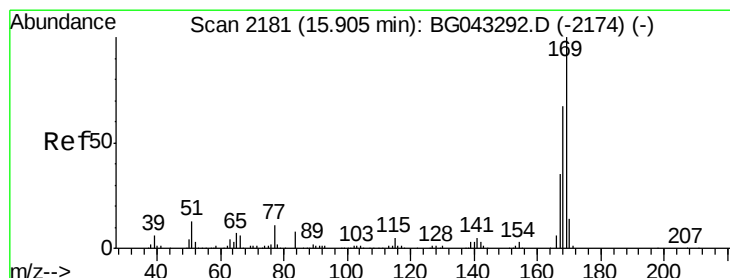
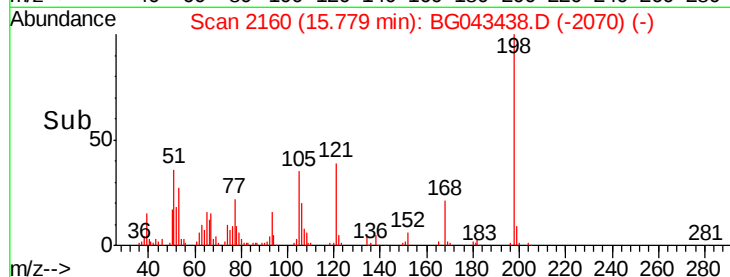
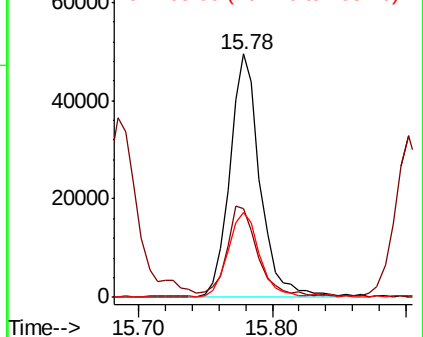
11/1/2019 2:05:13 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.596 ng

RT: 15.90 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

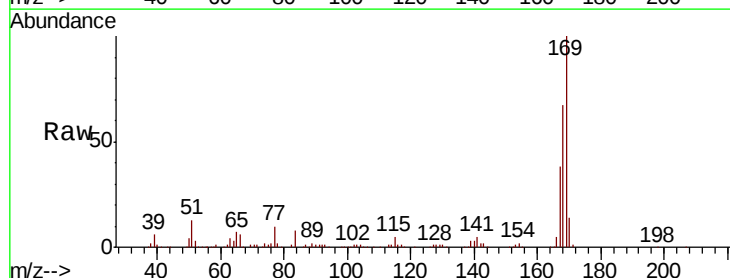
Tgt Ion:169 Resp: 364148

Ion Ratio Lower Upper

169 100

168 67.2 53.9 80.9

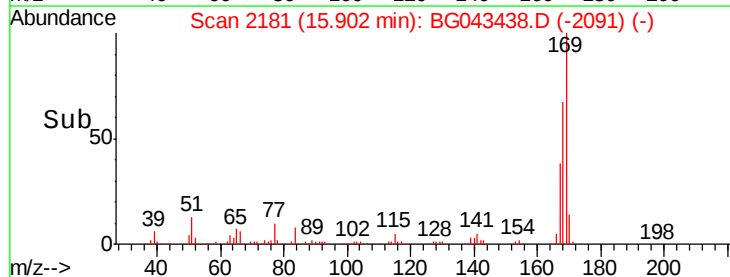
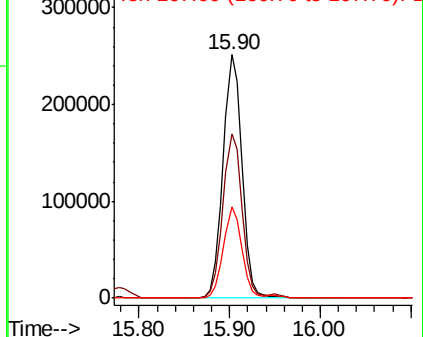
167 37.7 28.3 42.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





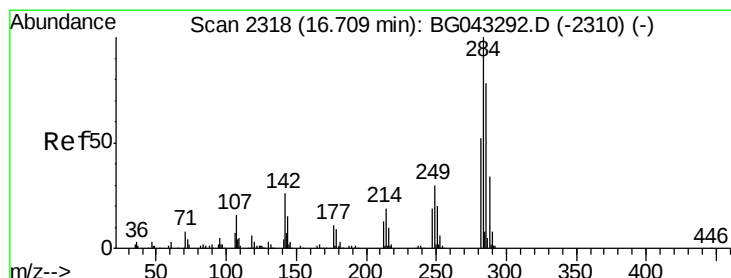
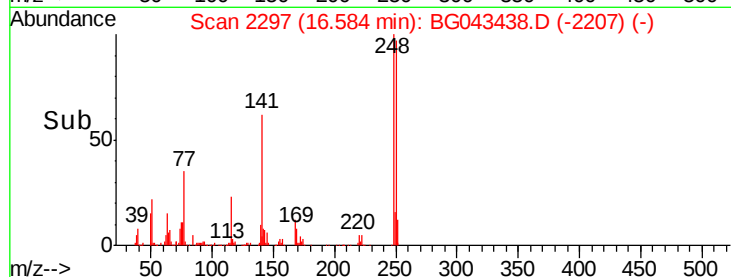
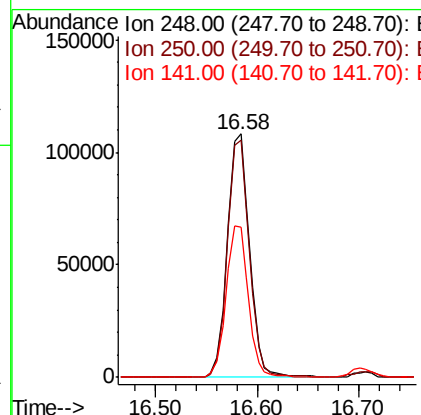
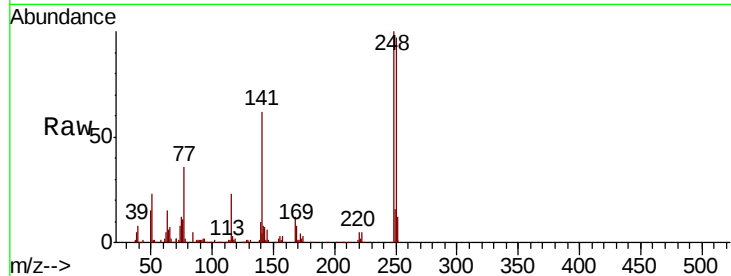
#67
 4-Bromophenyl-phenylether
 Concen: 44.207 ng
 RT: 16.58 min Scan# 2297
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion:	248	Resp:	164680
Ion Ratio	Lower	Upper	
248	100		
250	97.4	79.3	118.9
141	61.8	47.9	71.9

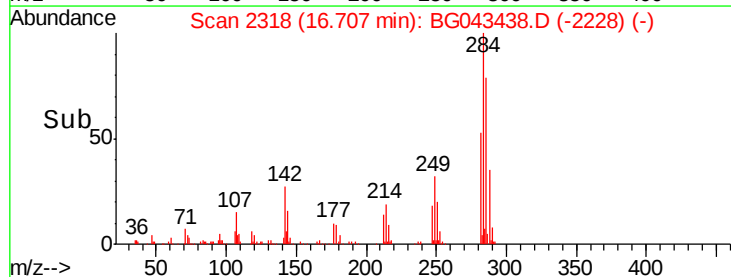
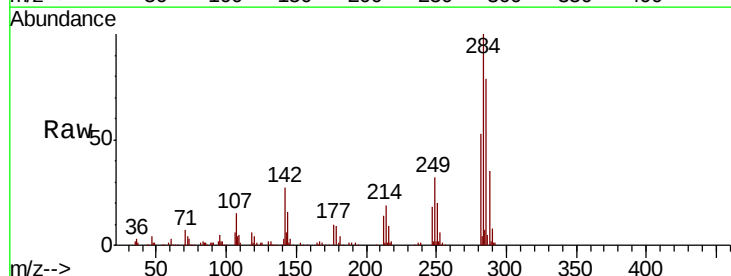
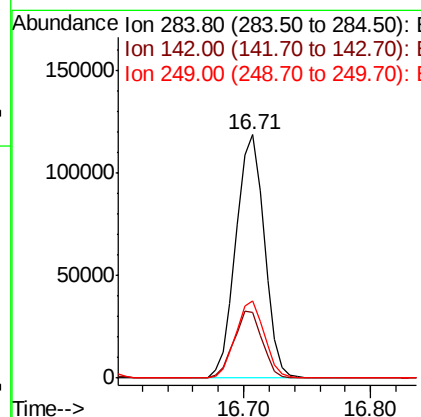
Manual Integrations
 APPROVED

mohammad
 11/1/2019 2:05:13 PM



#68
 Hexachlorobenzene
 Concen: 43.026 ng
 RT: 16.71 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion:	284	Resp:	183986
Ion Ratio	Lower	Upper	
284	100		
142	27.0	21.1	31.7
249	31.8	24.4	36.6





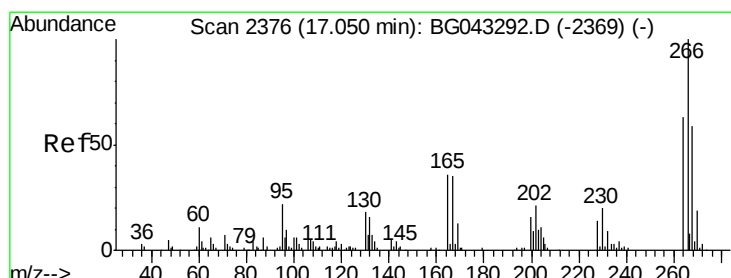
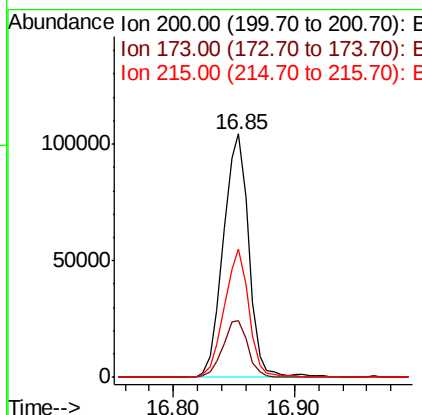
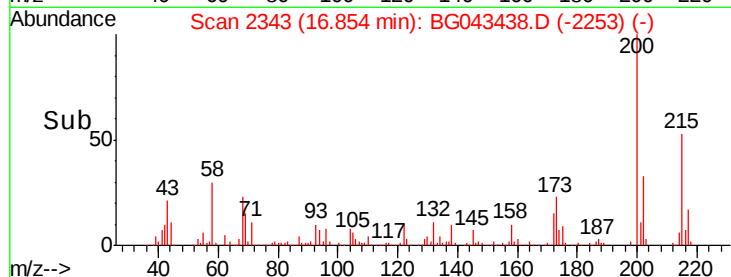
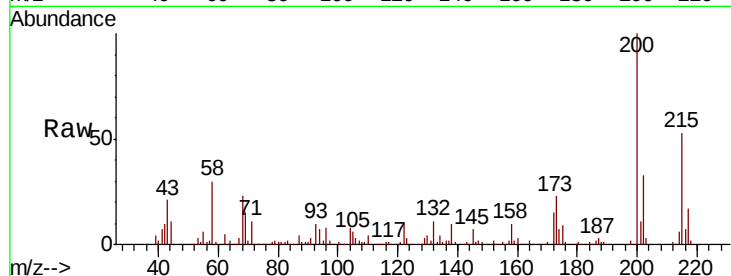
#69
Atrazine
Concen: 56.174 ng
RT: 16.85 min Scan# 2343
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	152544		
173	23.5	5.1	45.1	
215	52.8	26.6	66.6	

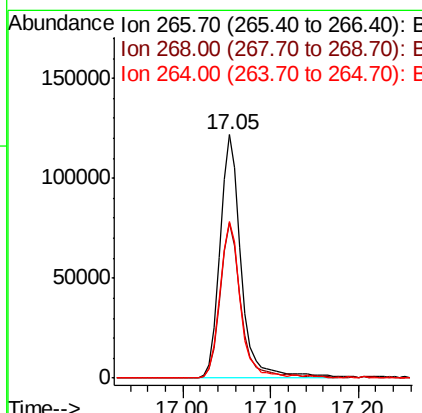
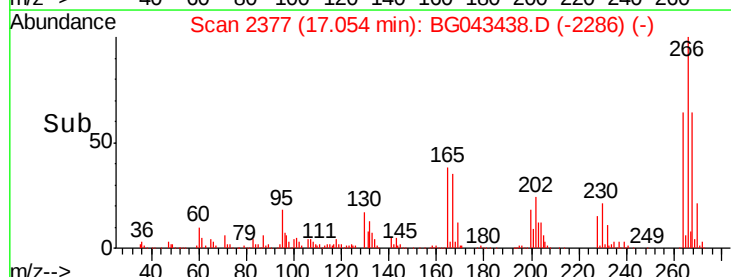
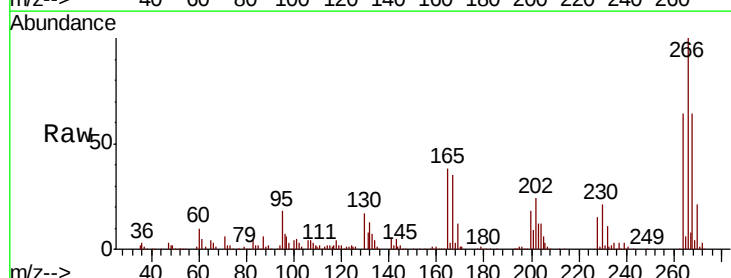
Manual Integrations
APPROVED

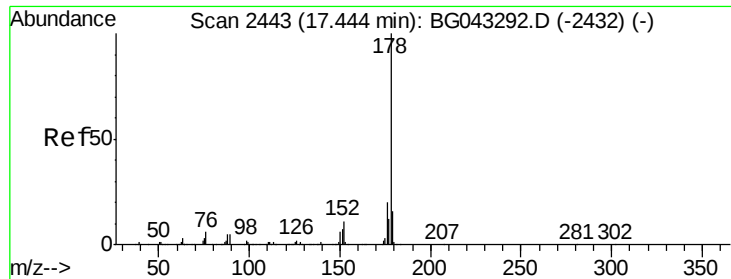
mohammad
11/1/2019 2:05:13 PM



#70
Pentachlorophenol
Concen: 104.778 ng
RT: 17.05 min Scan# 2377
Delta R.T. 0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	204156		
268	63.7	47.1	70.7	
264	64.1	50.4	75.6	





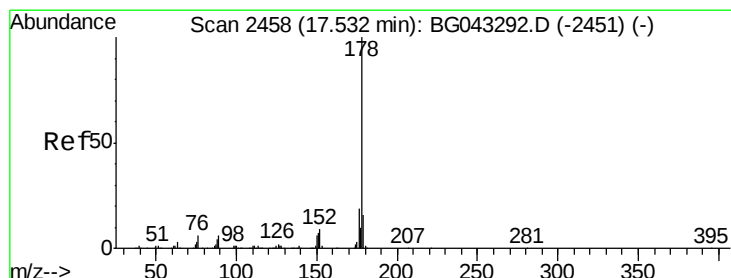
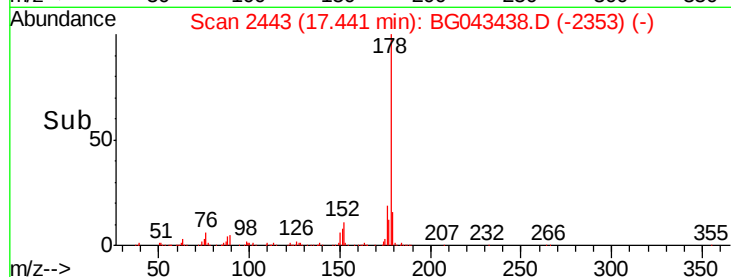
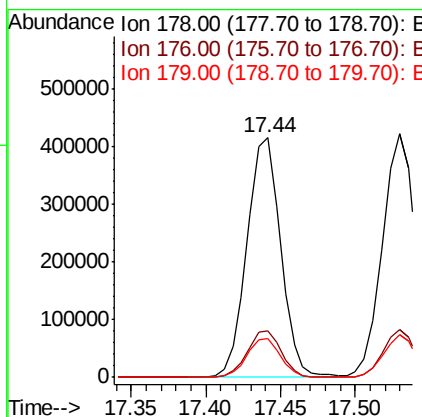
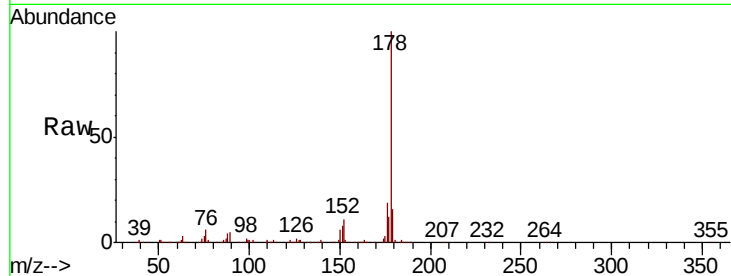
#71
Phenanthrene
Concen: 45.803 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.1	13.1	19.7

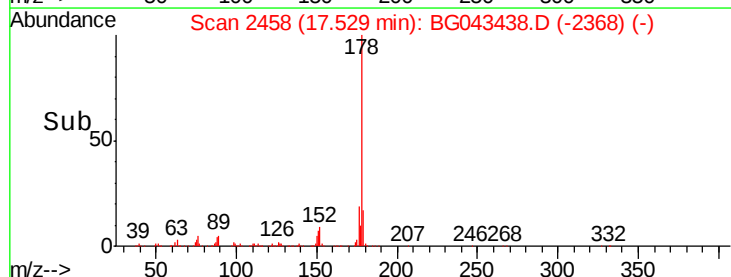
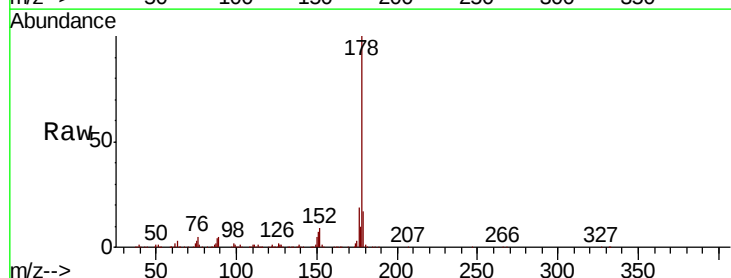
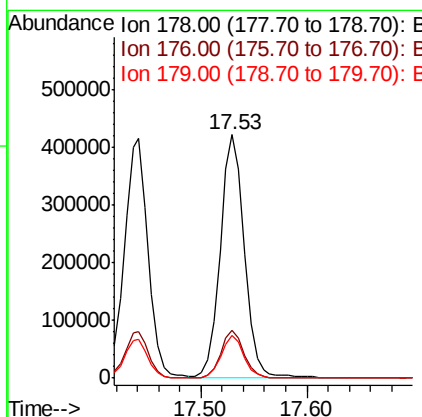
Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#72
Anthracene
Concen: 46.760 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	17.4	13.0	19.6





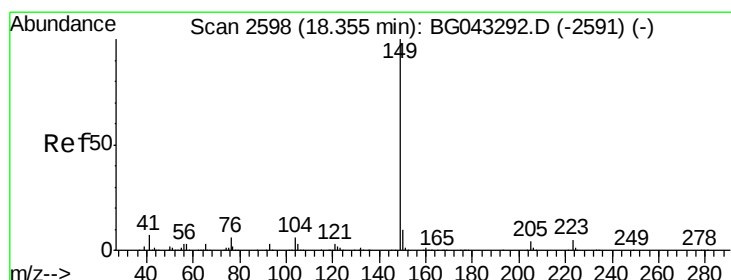
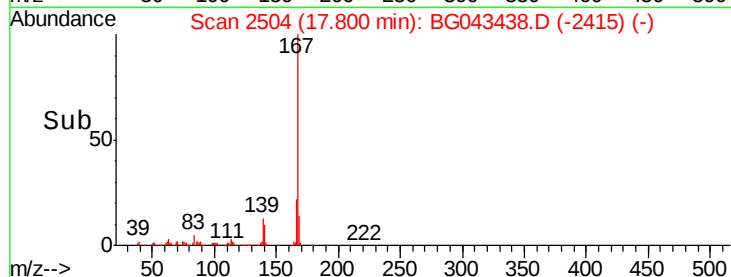
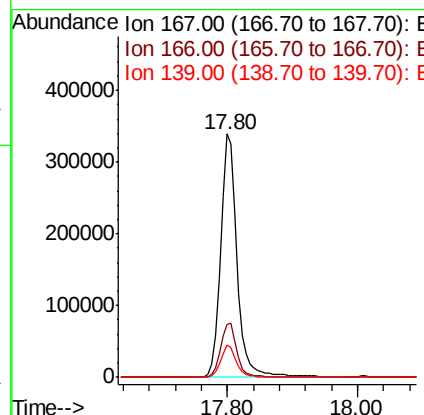
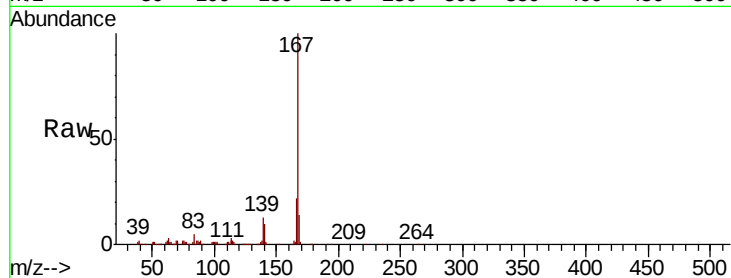
#73
 Carbazole
 Concen: 45.938 ng
 RT: 17.80 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.4	27.6
139	13.1	10.2	15.4

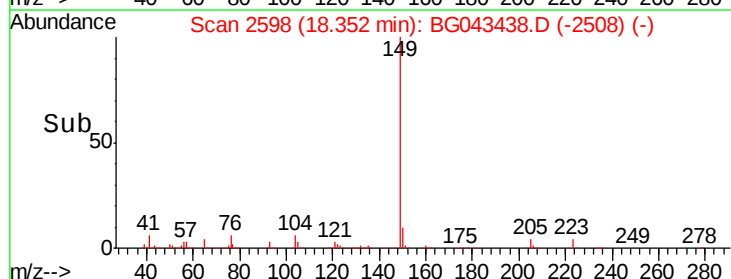
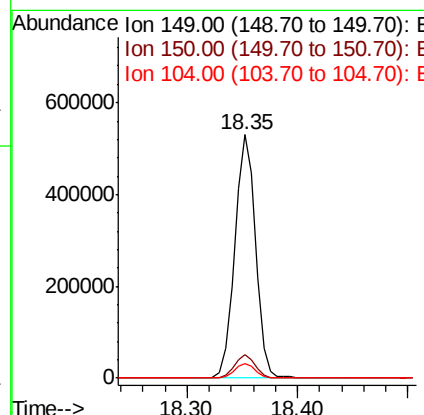
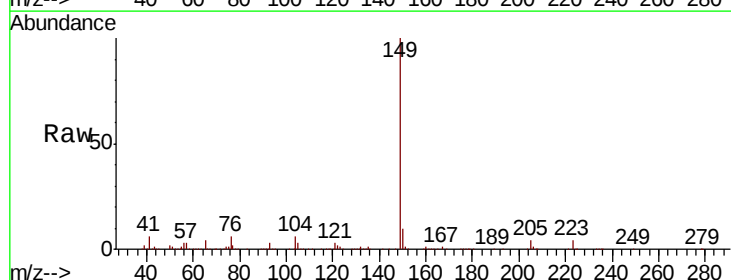
Manual Integrations
 APPROVED

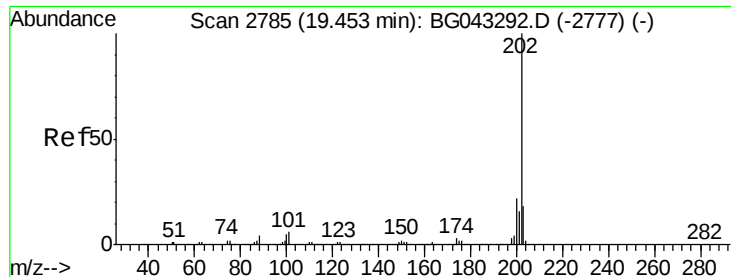
mohammad
 11/1/2019 2:05:13 PM



#74
 Di-n-butylphthalate
 Concen: 44.921 ng
 RT: 18.35 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	8.0	12.0
104	5.8	4.7	7.1





#75

Fluoranthene

Concen: 46.961 ng

RT: 19.44 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

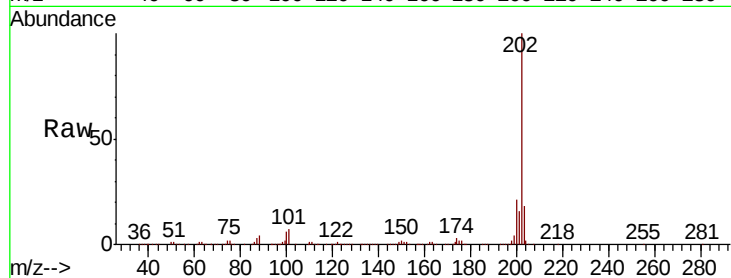
ClientSampleId :

169-32-(0-1)MSD

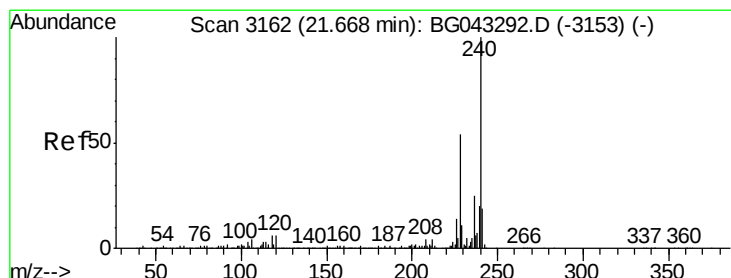
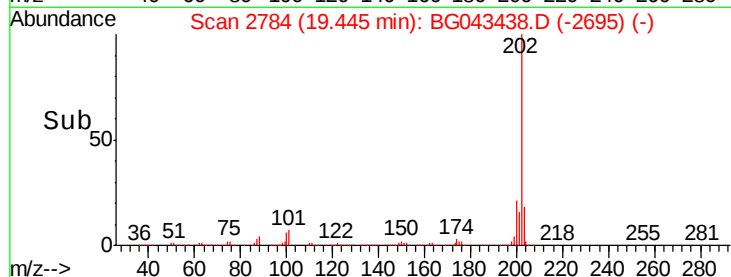
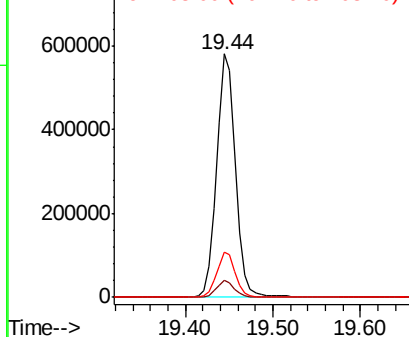
Tot Ion	Ratio	Resp	Lower	Upper
202	100	867821		
101	6.9	0.0	26.0	
203	18.3	0.0	38.2	

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

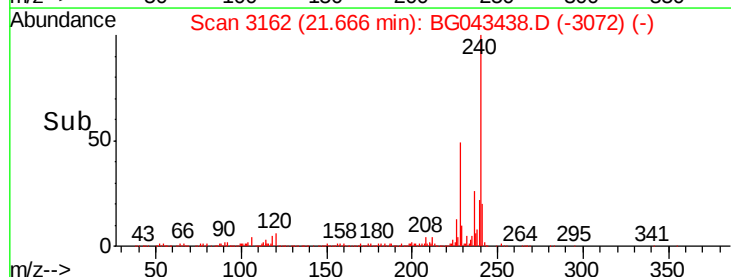
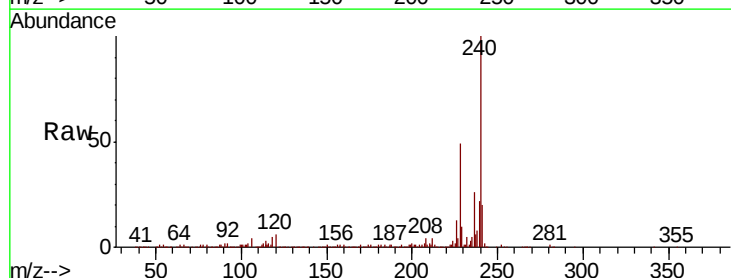
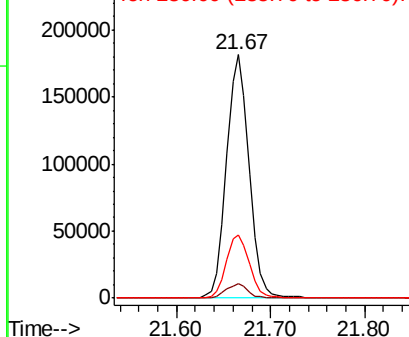
Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	303597		
120	5.9	4.6	7.0	
236	25.9	20.2	30.4	

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





#77

Benzidine

Concen: 68.383 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

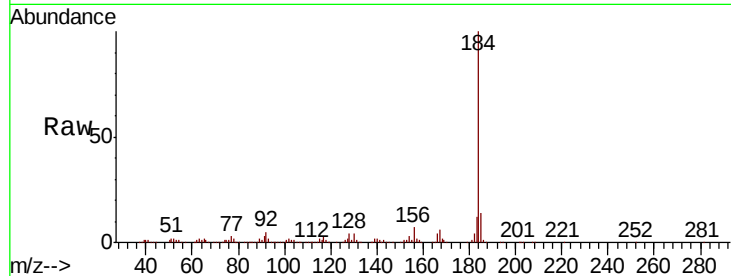
ClientSampleId :

169-32-(0-1)MSD

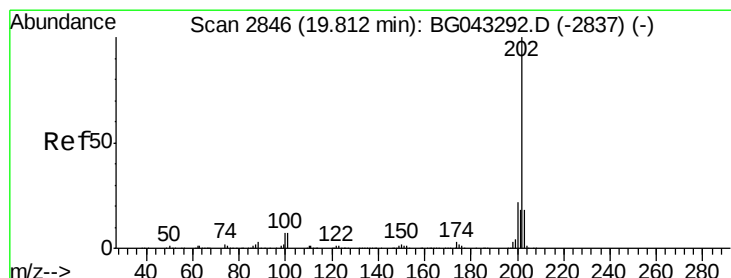
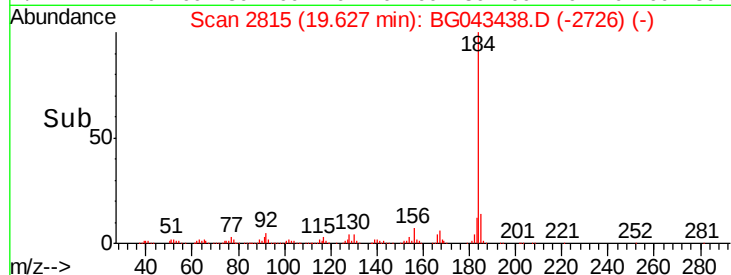
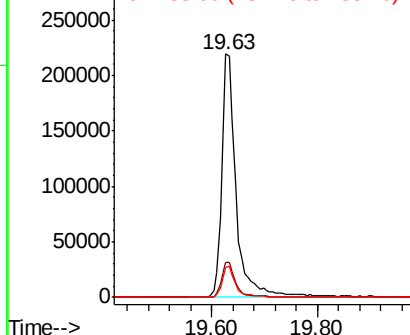
Tot Ion:	184	Resp:	417822
Ion Ratio	Lower	Upper	
184	100		
185	14.1	11.8	17.6
183	12.1	10.6	16.0

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



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



#78

Pyrene

Concen: 45.990 ng

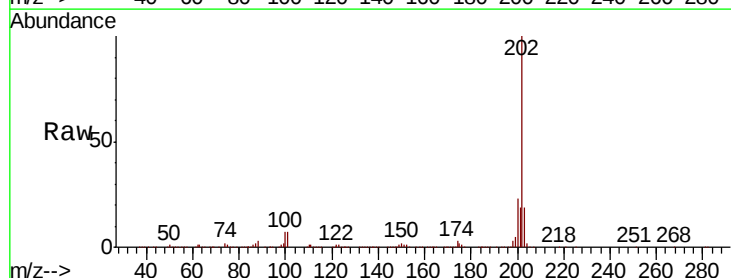
RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

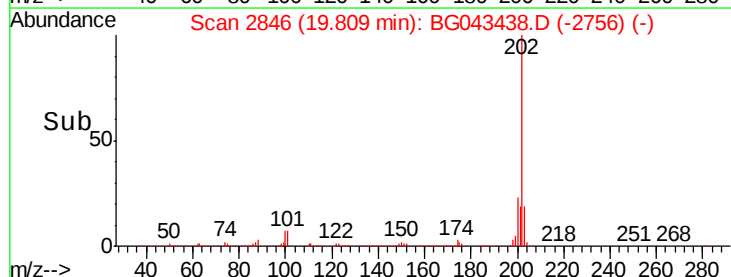
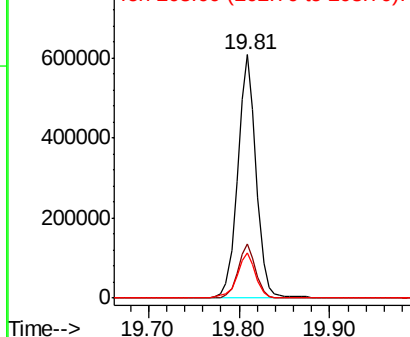
Lab File: BG043438.D

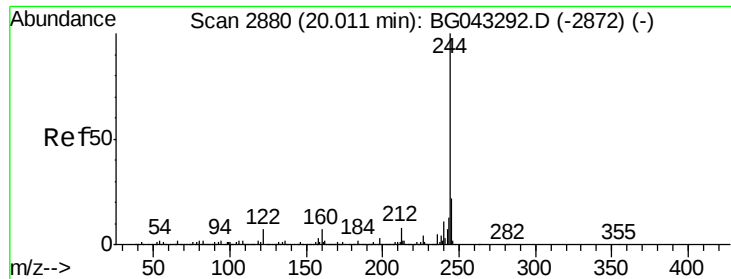
Acq: 31 Oct 2019 17:45

Tgt Ion:	202	Resp:	864250
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.3	25.9
203	18.7	14.5	21.7



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





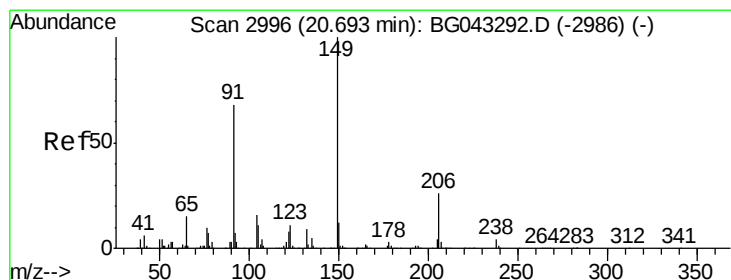
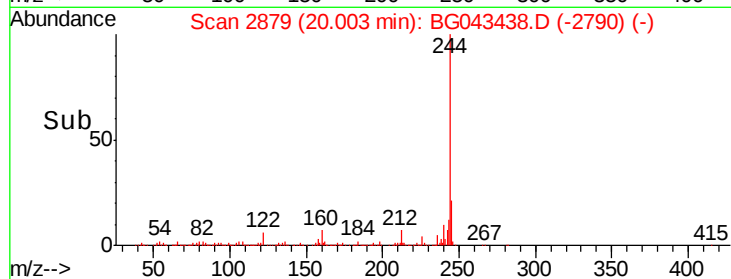
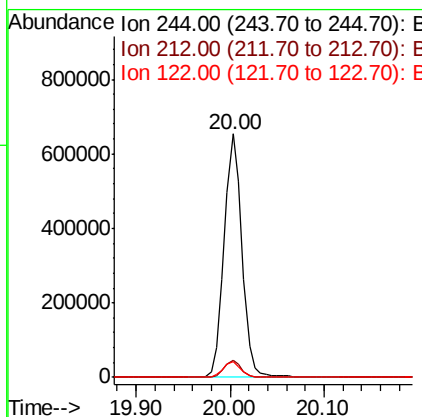
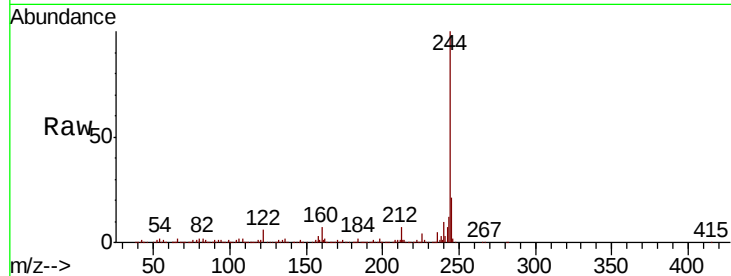
#79
 Terphenyl-d14
 Concen: 53.530 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :
 169-32-(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.4	9.6	
122	6.2	5.3	7.9	

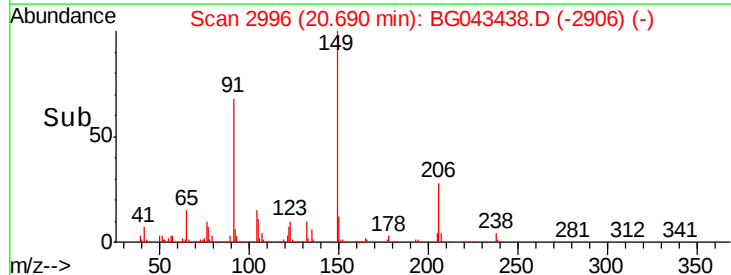
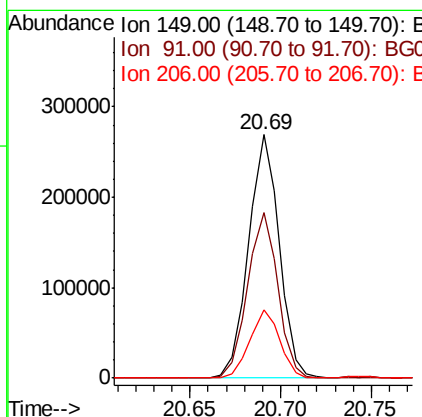
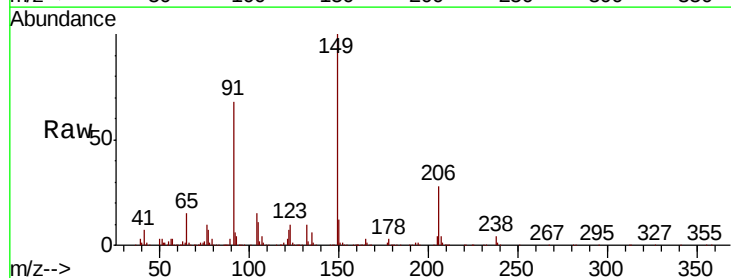
Manual Integrations
 APPROVED

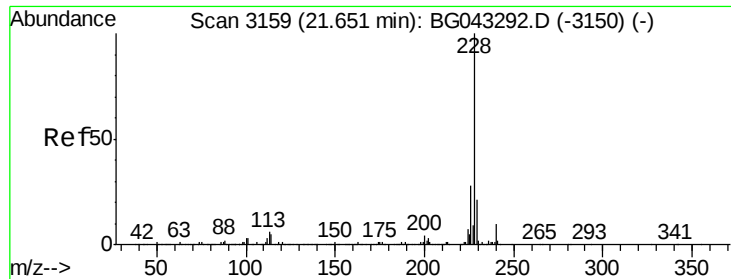
mohammad
 11/1/2019 2:05:13 PM



#80
 Butylbenzylphthalate
 Concen: 44.406 ng
 RT: 20.69 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: BG043438.D
 Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	67.8	54.6	82.0	
206	27.9	20.5	30.7	





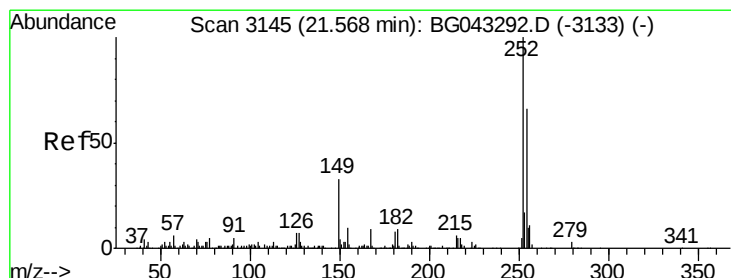
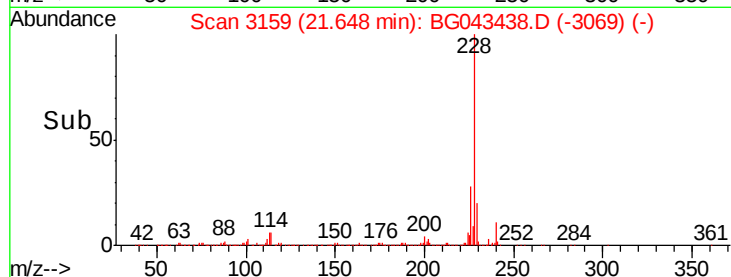
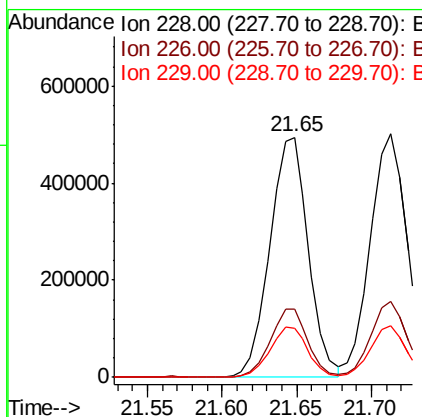
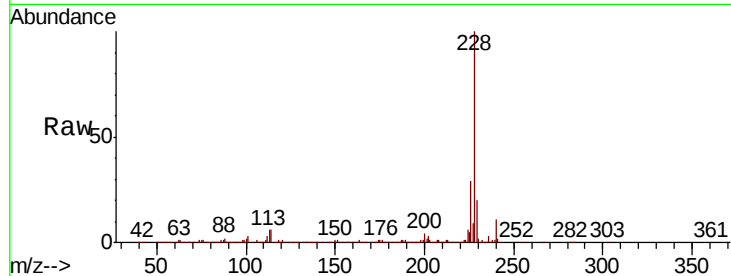
#81
Benzo(a)anthracene
Concen: 46.464 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.00 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.4
229	20.2	16.9	25.3

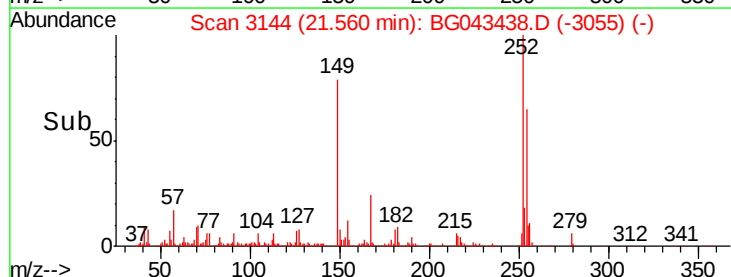
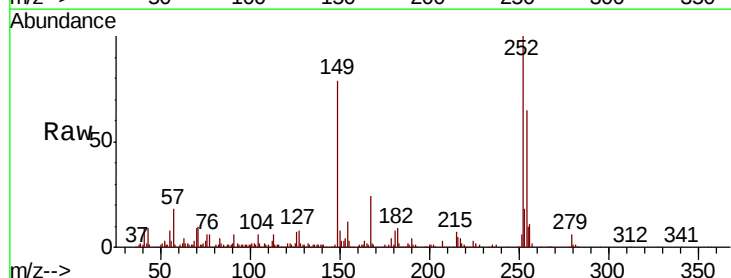
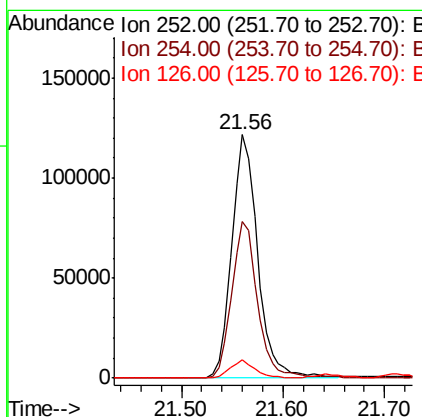
Manual Integrations
APPROVED

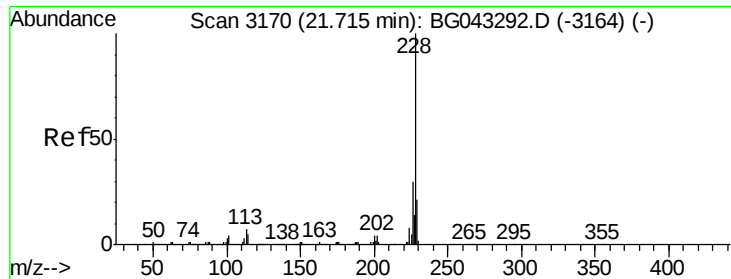
mohammad
11/1/2019 2:05:13 PM



#82
3,3'-Dichlorobenzidine
Concen: 29.434 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.7	79.1
126	7.3	5.6	8.4





#83

Chrysene

Concen: 45.429 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

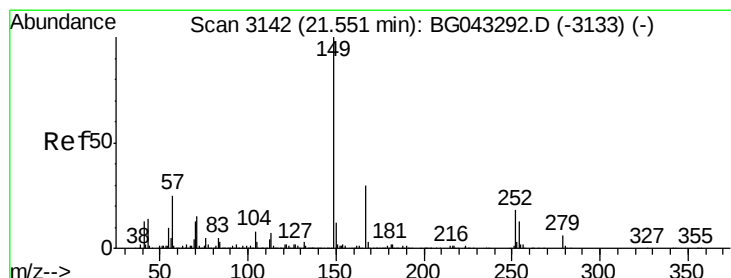
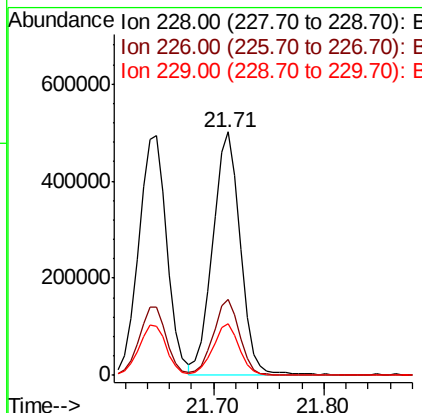
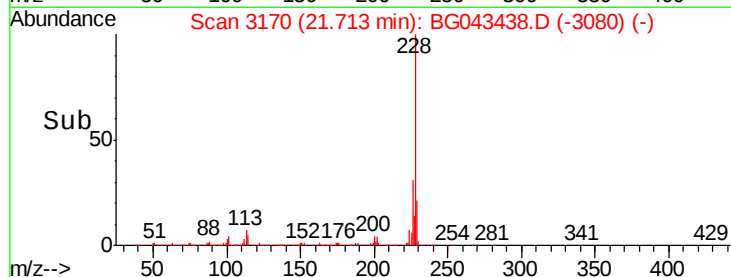
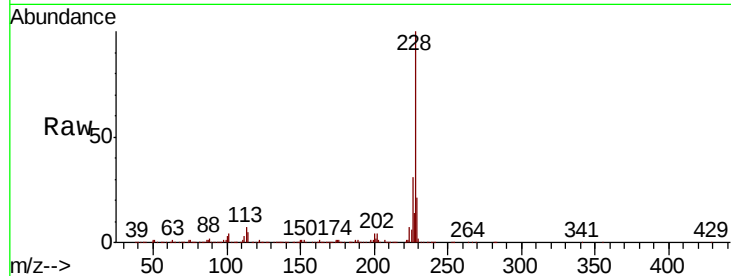
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	228	Resp:	858375
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.8	35.8
229	21.3	16.3	24.5

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.906 ng

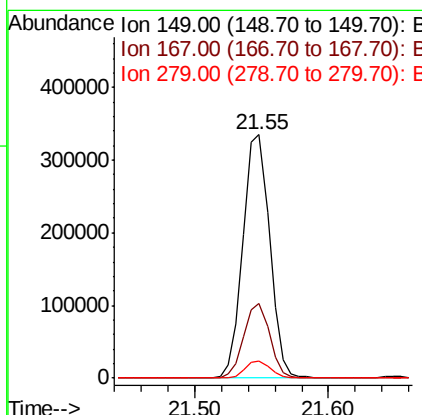
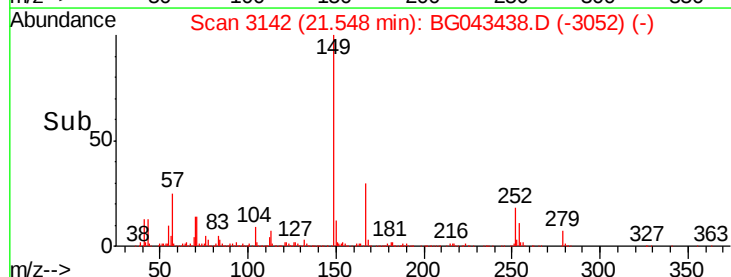
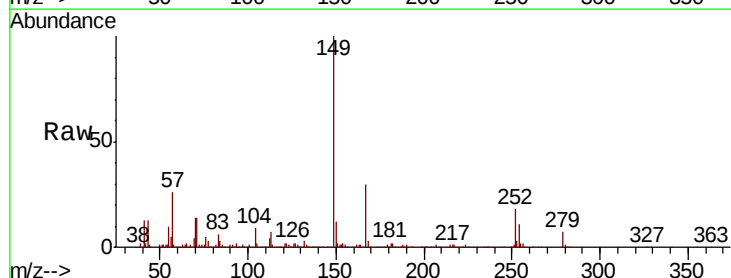
RT: 21.55 min Scan# 3142

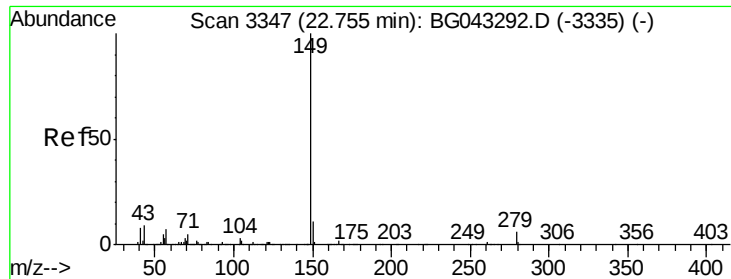
Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	149	Resp:	464269
Ion Ratio	Lower	Upper	
149	100		
167	30.4	23.9	35.9
279	7.0	4.8	7.2





#85

Di-n-octyl phthalate

Concen: 46.695 ng

RT: 22.75 min Scan# 3346

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

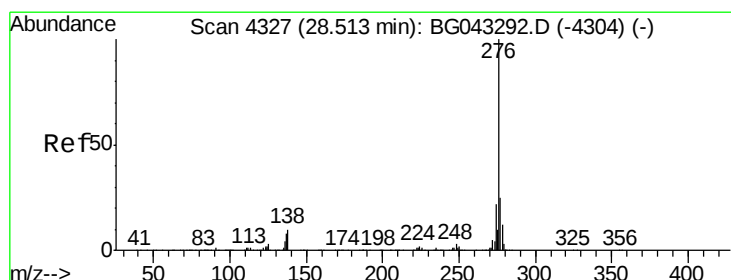
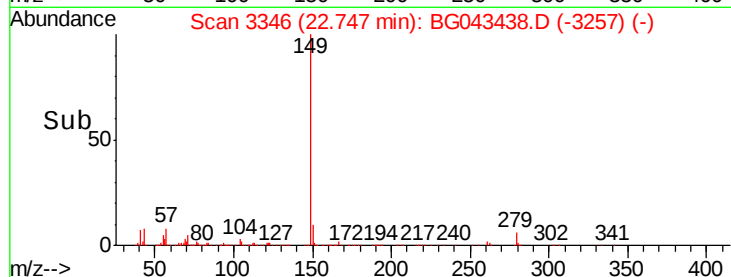
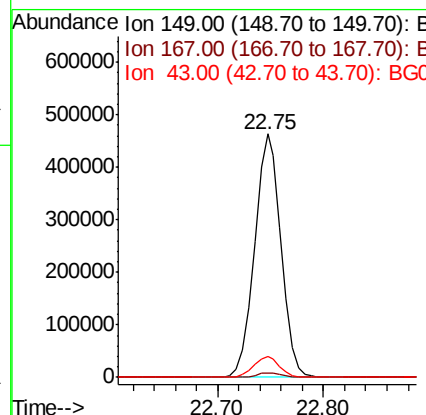
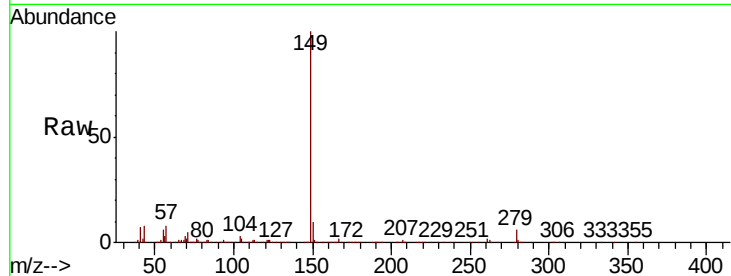
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	149	Resp:	801215
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.3	6.9	10.3

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 47.689 ng

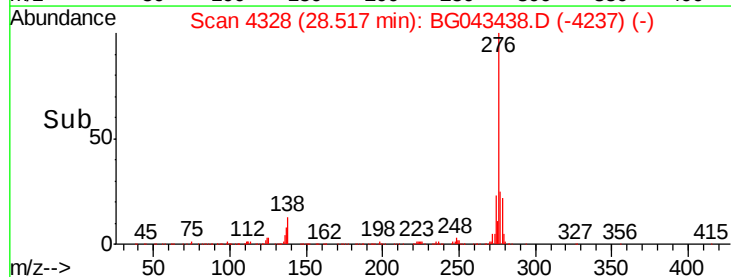
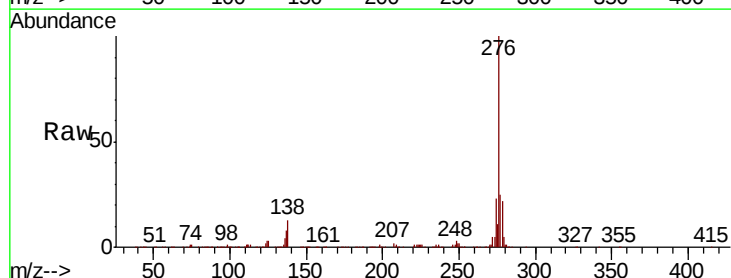
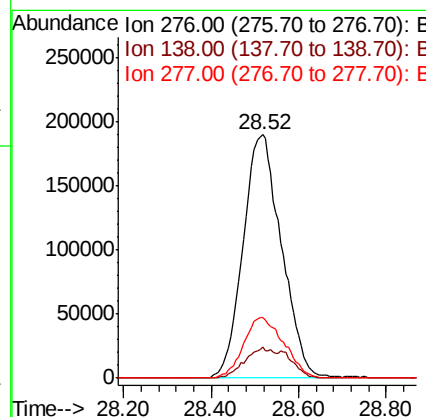
RT: 28.52 min Scan# 4328

Delta R.T. 0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	276	Resp:	1131089
Ion Ratio	Lower	Upper	
276	100		
138	9.4	7.2	10.8
277	26.3	20.9	31.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

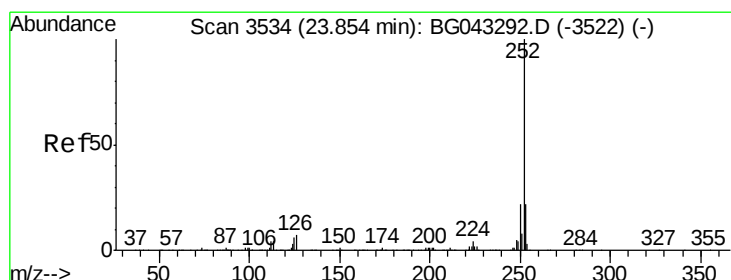
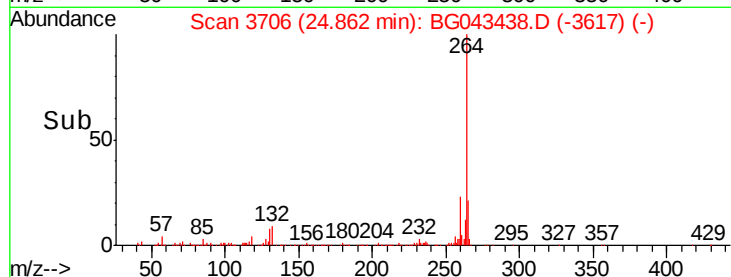
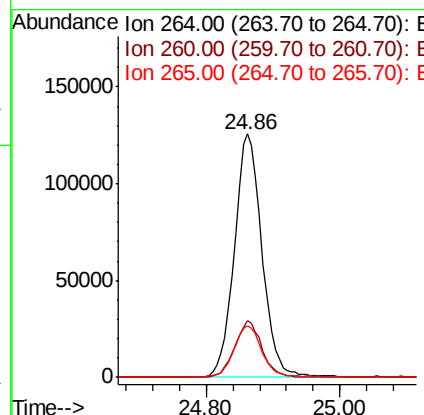
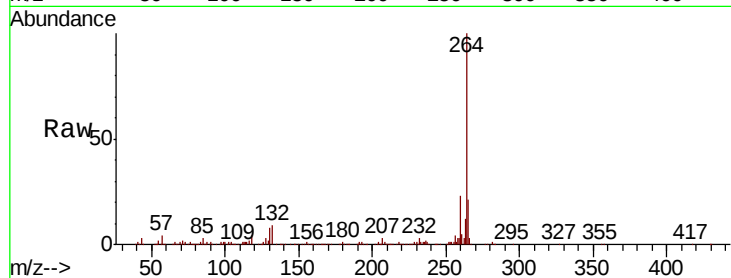
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	264	Resp:	362346
Ion Ratio		Lower	Upper
264	100		
260	23.1	17.9	26.9
265	21.0	17.4	26.2

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#88

Benzo(b)fluoranthene

Concen: 45.574 ng

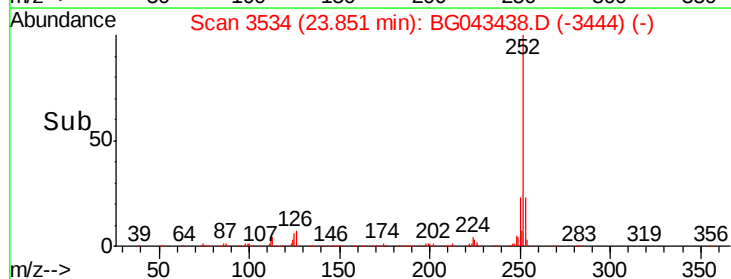
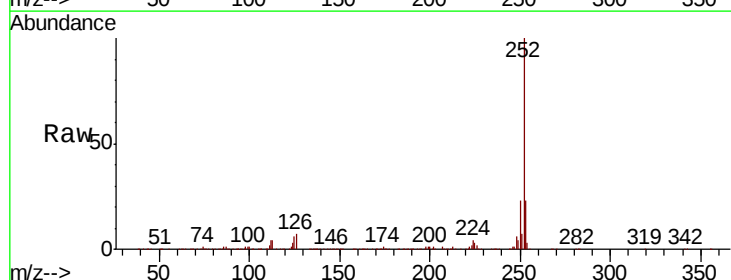
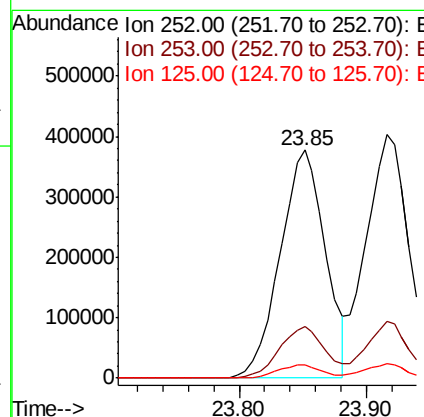
RT: 23.85 min Scan# 3534

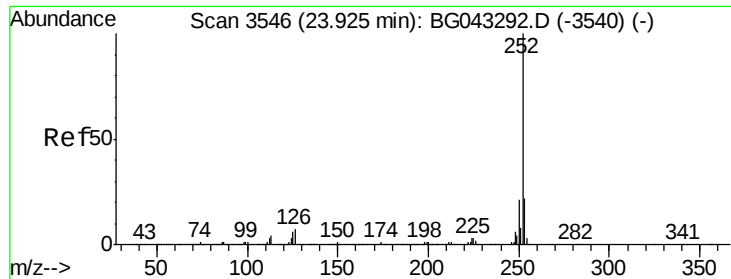
Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	252	Resp:	935282
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.4	26.2
125	5.8	5.0	7.6





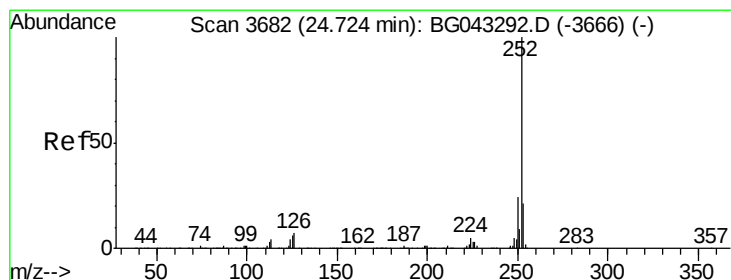
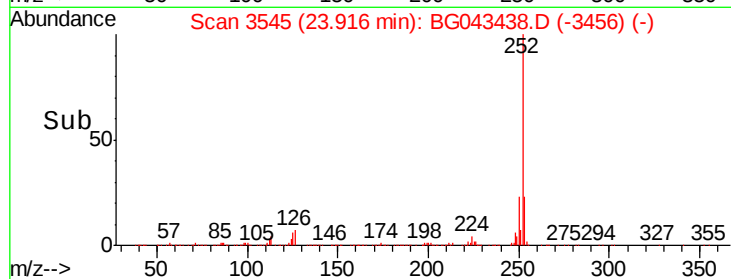
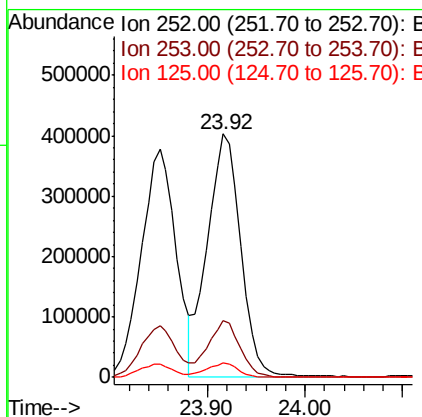
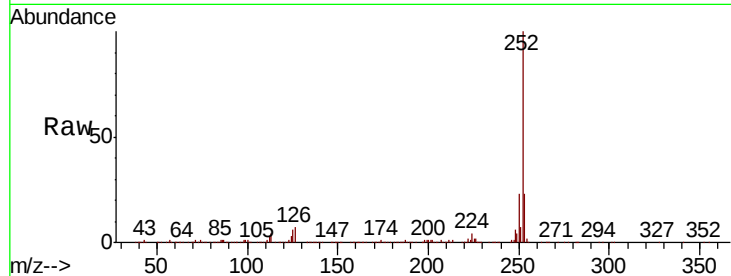
#89
Benzo(k)fluoranthene
Concen: 45.928 ng
RT: 23.92 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Instrument :
BNA_G
ClientSampleId :
169-32-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	6.0	4.5	6.7

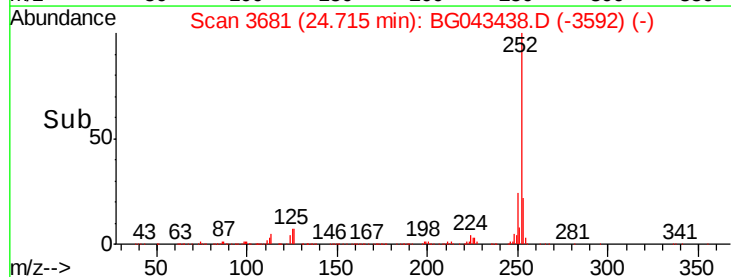
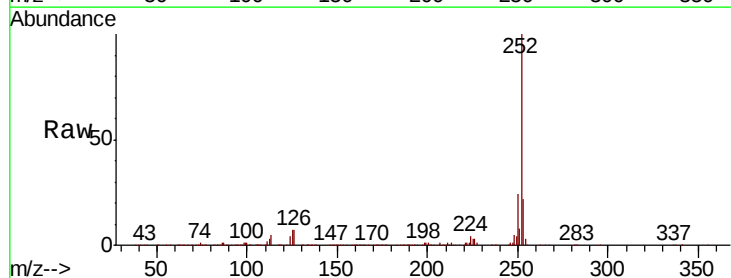
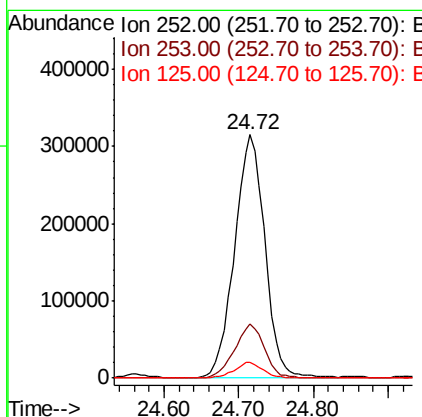
Manual Integrations
APPROVED

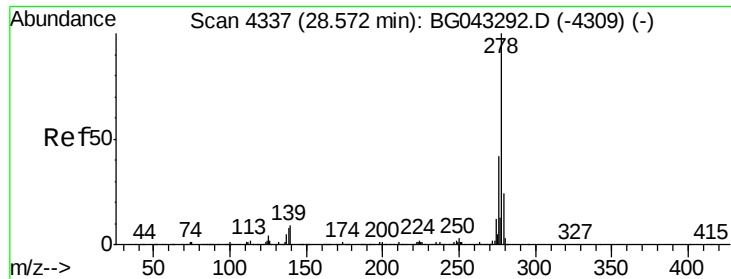
mohammad
11/1/2019 2:05:13 PM



#90
Benzo(a)pyrene
Concen: 45.275 ng
RT: 24.72 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043438.D
Acq: 31 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	6.7	5.0	7.6





#91

Dibenzo(a,h)anthracene

Concen: 46.951 ng

RT: 28.57 min Scan# 4337

Delta R.T. -0.00 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Instrument :

BNA_G

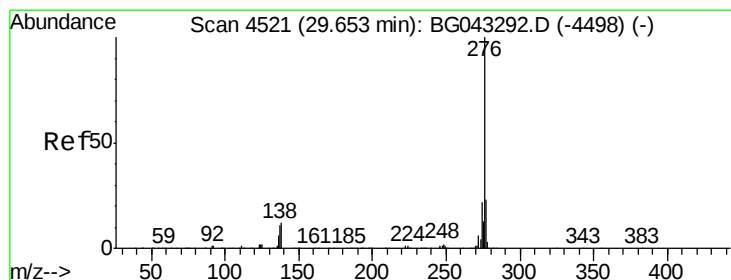
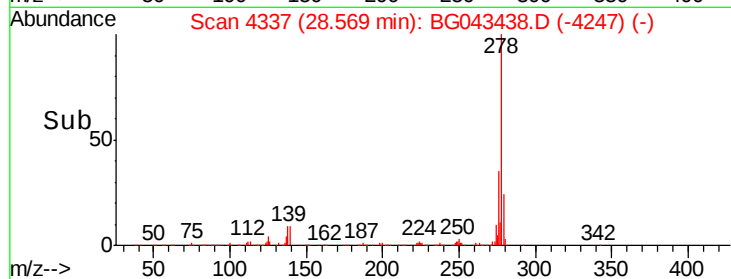
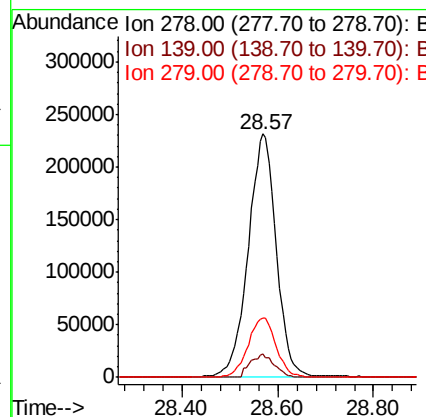
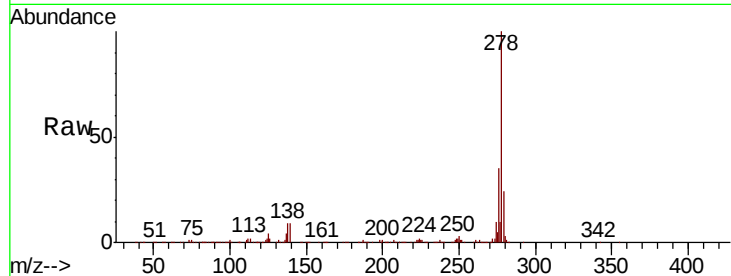
ClientSampleId :

169-32-(0-1)MSD

Tot Ion:	278	Resp:	941129
Ion Ratio	Lower	Upper	
278	100		
139	9.4	6.8	10.2
279	24.3	19.0	28.6

Manual Integrations
APPROVED

mohammad
11/1/2019 2:05:13 PM



#92

Benzo(g,h,i)perylene

Concen: 48.085 ng

RT: 29.64 min Scan# 4520

Delta R.T. -0.01 min

Lab File: BG043438.D

Acq: 31 Oct 2019 17:45

Tgt Ion:	276	Resp:	950748
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.3	27.5
138	11.9	9.3	13.9

