

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096771.D
 Acq On : 14 Jul 2017 13:09
 Operator : SJ/JU
 Sample : I4159-05MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Manual Integrations
 APPROVED

mohammad
 7/17/2017 3:56:15 PM

Quant Time: Jul 14 18:06:45 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	118034	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	531294	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	212297	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	314971	20.00	ng	0.00
75) Chrysene-d12	13.77	240	198701	20.00	ng	0.00
86) Perylene-d12	15.16	264	221814	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	755632	96.26	ng	0.02
7) Phenol-d6	6.29	99	829882	88.09	ng	0.00
23) Nitrobenzene-d5	7.20	82	539908	62.95	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	134142	74.02	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	891354	66.33	ng	0.00
78) Terphenyl-d14	12.73	244	505467	44.12	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.29	88	105862	26.208	ng	# 77
3) Pyridine	2.96	79	262924	30.972	ng	# 63
4) n-Nitrosodimethylamine	2.90	42	159654	33.630	ng	82
6) Aniline	6.30	93	264010	22.752	ng	# 1
8) 2-Chlorophenol	6.43	128	252587	29.826	ng	98
9) Benzaldehyde	6.18	77	142757	26.218	ng	99
10) Phenol	6.30	94	321280	30.169	ng	76
11) bis(2-Chloroethyl)ether	6.38	93	244128	30.484	ng	91
12) 1,3-Dichlorobenzene	6.58	146	266907	29.649	ng	98
13) 1,4-Dichlorobenzene	6.66	146	275063	30.172	ng	97
14) 1,2-Dichlorobenzene	6.81	146	275970	33.282	ng	97
15) Benzyl Alcohol	6.79	79	217891	35.329	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.92	45	571467	34.577	ng	91
17) 2-Methylphenol	6.90	107	218775	33.220	ng	99
18) Hexachloroethane	7.15	117	102838	31.812	ng	# 83
19) n-Nitroso-di-n-propylamine	7.06	70	181093	31.908	ng	# 82
20) 3+4-Methylphenols	7.06	107	264003	33.036	ng	# 82
22) Acetophenone	7.05	105	364186	30.669	ng	# 96
24) Nitrobenzene	7.22	77	277097	31.236	ng	92
25) Isophorone	7.46	82	506352	31.733	ng	98
26) 2-Nitrophenol	7.54	139	140708	28.526	ng	# 89
27) 2,4-Dimethylphenol	7.59	122	246019	30.317	ng	97
28) bis(2-Chloroethoxy)methane	7.68	93	341395	31.663	ng	99
29) 2,4-Dichlorophenol	7.79	162	223886	30.479	ng	99
30) 1,2,4-Trichlorobenzene	7.86	180	208931	29.915	ng	97
31) Naphthalene	7.95	128	771758	30.664	ng	100
33) 4-Chloroaniline	7.99	127	225546	22.618	ng	96
34) Hexachlorobutadiene	8.07	225	110401	29.611	ng	98
35) Caprolactam	8.35	113	60238m	25.594	ng	
36) 4-Chloro-3-methylphenol	8.48	107	228305	28.906	ng	87
37) 2-Methylnaphthalene	8.63	142	490079	30.543	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	178990	31.189	ng	99
40) Hexachlorocyclopentadiene	8.79	237	99520	48.219	ng	99
42) 2,4,6-Trichlorophenol	8.92	196	122801	29.009	ng	98

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096771.D
 Acq On : 14 Jul 2017 13:09
 Operator : SJ/JU
 Sample : I4159-05MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

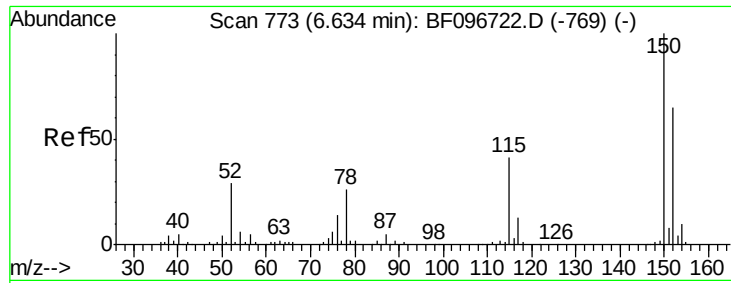
Manual Integrations
 APPROVED

mohammad
 7/17/2017 3:56:15 PM

Quant Time: Jul 14 18:06:45 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.96	196	126151	29.548	ng	95
45) 1,1'-Biphenyl	9.10	154	565602	31.064	ng	98
46) 2-Chloronaphthalene	9.12	162	439035	32.746	ng	95
47) 2-Nitroaniline	9.22	65	161019	34.939	ng	93
48) Acenaphthylene	9.53	152	680183	31.841	ng	99
49) Dimethylphthalate	9.40	163	614073	38.415	ng	99
50) 2,6-Dinitrotoluene	9.46	165	112647	32.534	ng	# 90
51) Acenaphthene	9.70	154	365226	28.942	ng	98
52) 3-Nitroaniline	9.62	138	118094	28.791	ng	91
53) 2,4-Dinitrophenol	9.75	184	142	6.817	ng	# 23
54) Dibenzofuran	9.87	168	592072	33.481	ng	99
55) 4-Nitrophenol	9.80	139	134251	44.801	ng	# 72
56) 2,4-Dinitrotoluene	9.86	165	134687	30.272	ng	# 77
57) Fluorene	10.22	166	420388	32.170	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.00	232	73326	24.765	ng	97
59) Diethylphthalate	10.10	149	480460	30.875	ng	100
60) 4-Chlorophenyl-phenylether	10.21	204	179373	30.374	ng	97
61) 4-Nitroaniline	10.23	138	112564	29.224	ng	90
62) Azobenzene	10.37	77	464716	33.851	ng	93
64) 4,6-Dinitro-2-methylphenol	10.27	198	4700	2.377	ng	# 79
65) n-Nitrosodiphenylamine	10.33	169	393563	34.955	ng	99
66) 4-Bromophenyl-phenylether	10.70	248	109089	33.923	ng	97
67) Hexachlorobenzene	10.77	284	110910	30.967	ng	# 92
68) Atrazine	10.86	200	111426	34.737	ng	93
69) Pentachlorophenol	10.96	266	46389	26.811	ng	98
70) Phenanthrene	11.17	178	551382	32.196	ng	99
71) Anthracene	11.22	178	557180	32.178	ng	98
72) Carbazole	11.38	167	501192	29.889	ng	98
73) Di-n-butylphthalate	11.72	149	670036	32.085	ng	99
74) Fluoranthene	12.35	202	462227	28.197	ng	96
76) Benzdine	12.47	184	226228	34.753	ng	# 93
77) Pyrene	12.58	202	457338	25.361	ng	98
79) Butylbenzylphthalate	13.21	149	223391	52.144	ng	# 87
80) Benzo(a)anthracene	13.76	228	367726	29.702	ng	100
81) 3,3'-Dichlorobenzidine	13.73	252	114859	25.799	ng	97
82) Chrysene	13.80	228	367347	30.140	ng	98
83) Bis(2-ethylhexyl)phthalate	13.77	149	287685	27.571	ng	100
84) Di-n-octyl phthalate	14.38	149	526136	30.504	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.47	276	420780	37.424	ng	98
87) Benzo(b)fluoranthene	14.77	252	380528	28.445	ng	97
88) Benzo(k)fluoranthene	14.80	252	382089m	30.161	ng	
89) Benzo(a)pyrene	15.10	252	375249	30.583	ng	98
90) Dibenzo(a,h)anthracene	16.49	278	344847	30.544	ng	96
91) Benzo(g,h,i)perylene	16.87	276	367975	30.436	ng	99

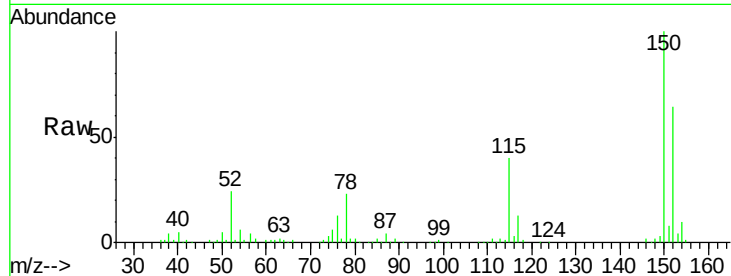
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

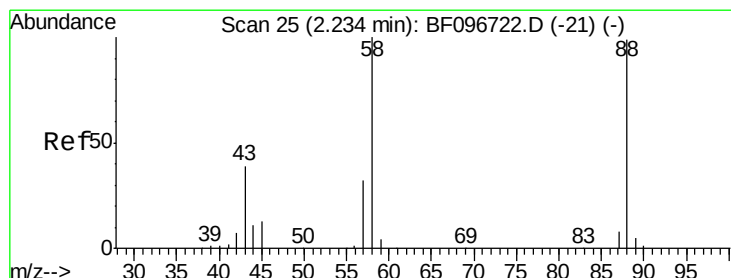
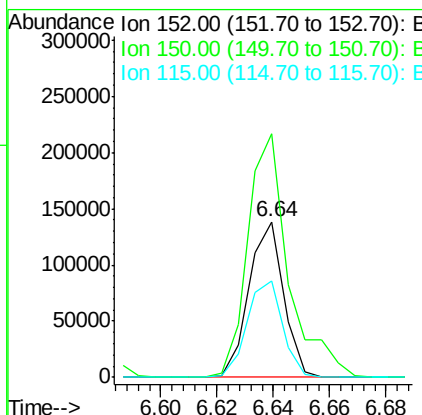
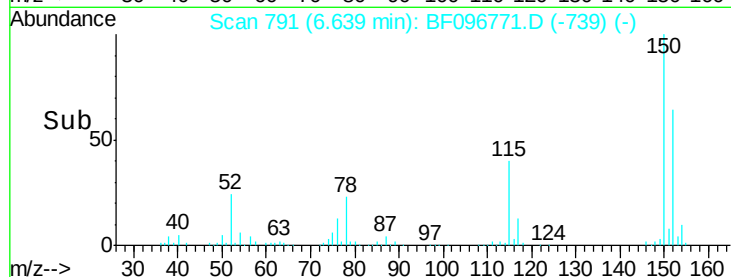
Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	62.1	52.2	78.2

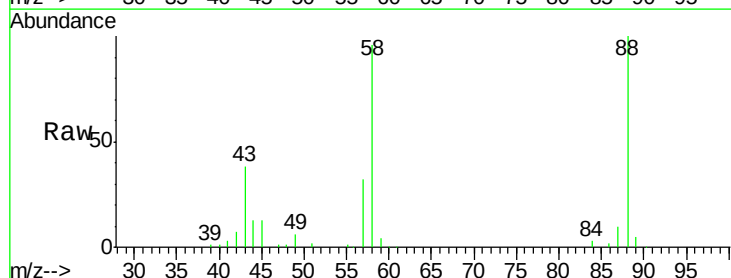
Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM

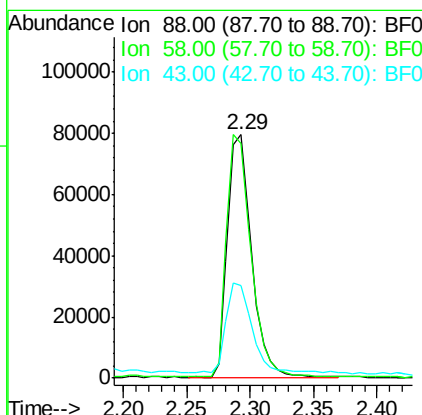
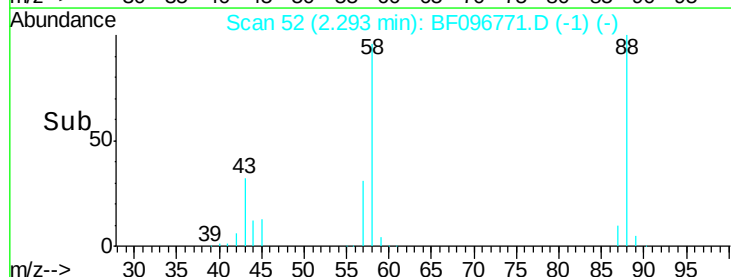


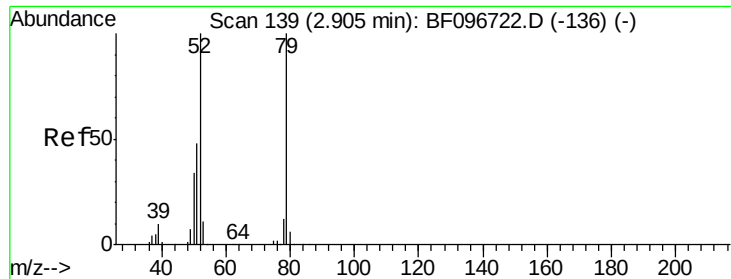
#2

1,4-Dioxane
Concen: 26.208 ng
RT: 2.29 min Scan# 52
Delta R.T. 0.06 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09



Tgt Ion	Ratio	Lower	Upper
88	100		
58	99.2	61.4	92.0#
43	37.8	23.4	35.0#





#3

Pyridine

Concen: 30.972 ng

RT: 2.96 min Scan# 166

Delta R.T. 0.06 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

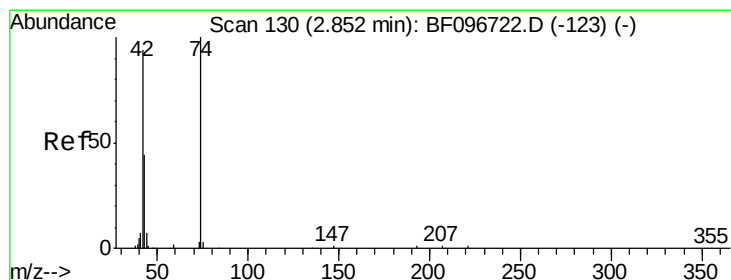
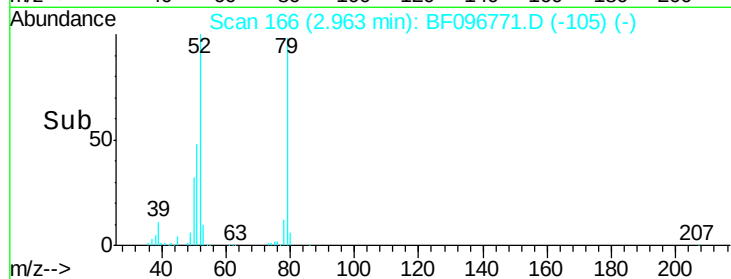
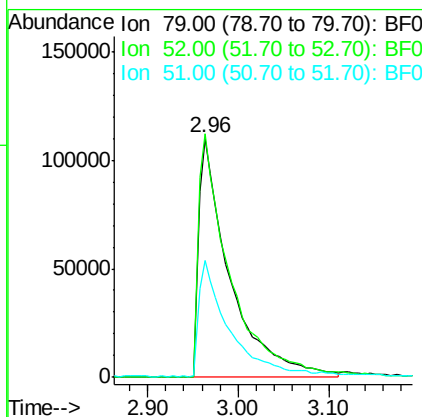
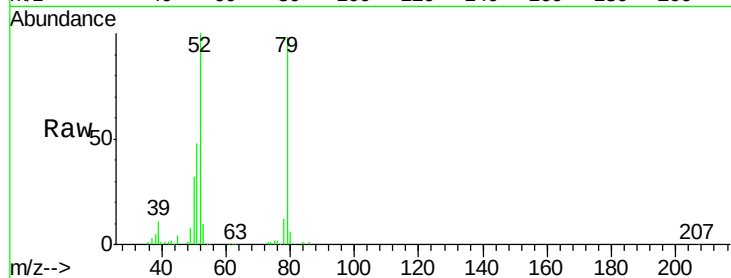
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
79	100		
52	101.9	54.8	82.2#
51	49.1	27.0	40.4#

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#4

n-Nitrosodimethylamine

Concen: 33.630 ng

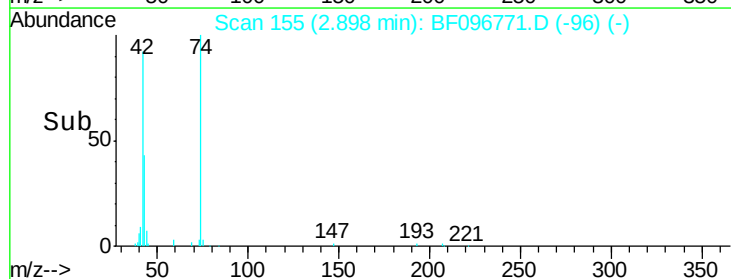
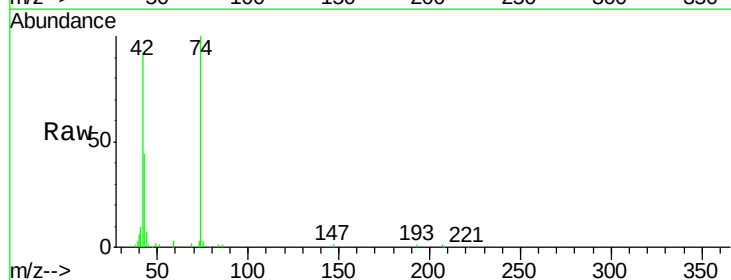
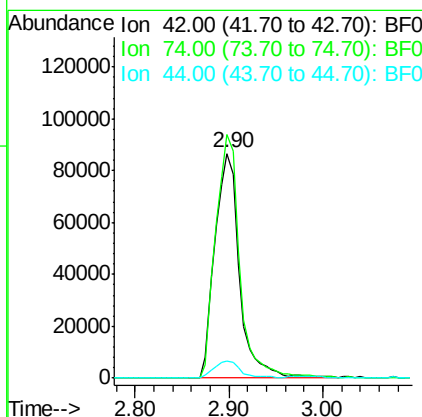
RT: 2.90 min Scan# 155

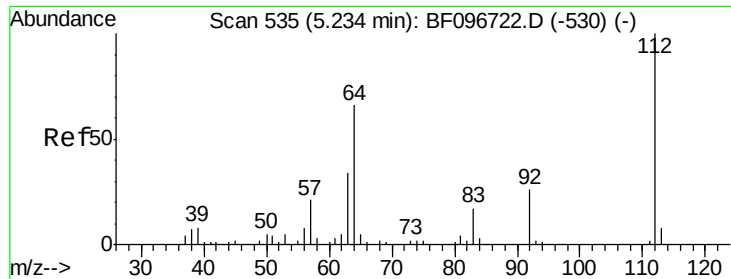
Delta R.T. 0.05 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
42	100		
74	108.3	103.9	155.9
44	7.6	5.7	8.5





#5

2-Fluorophenol

Concen: 96.257 ng

RT: 5.25 min Scan# 555

Delta R.T. 0.02 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

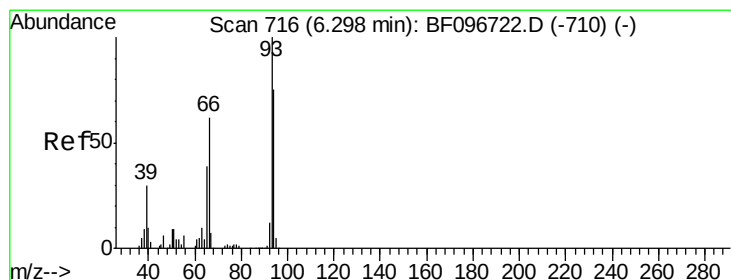
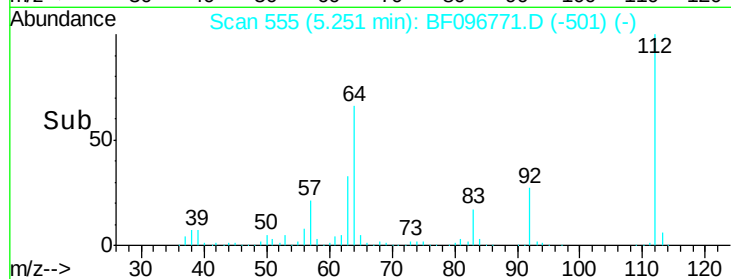
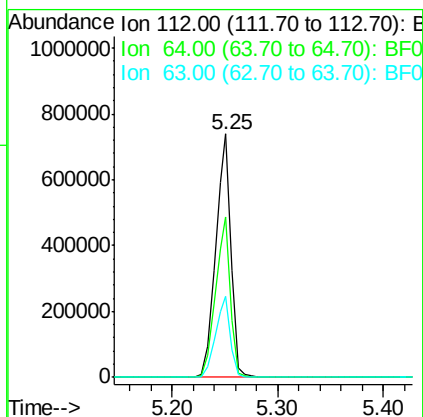
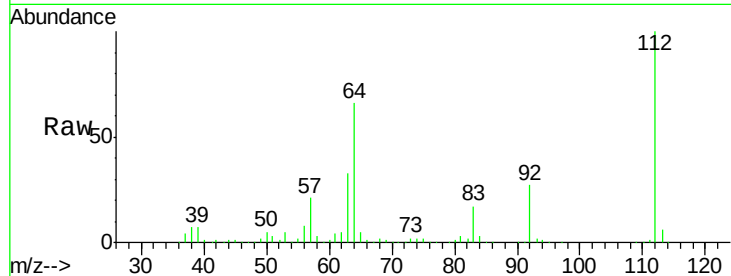
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion:	112	Resp:	755632
Ion Ratio	Lower	Upper	
112	100		
64	66.0	46.0	69.0
63	33.3	23.4	35.0

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#6

Aniline

Concen: 22.752 ng

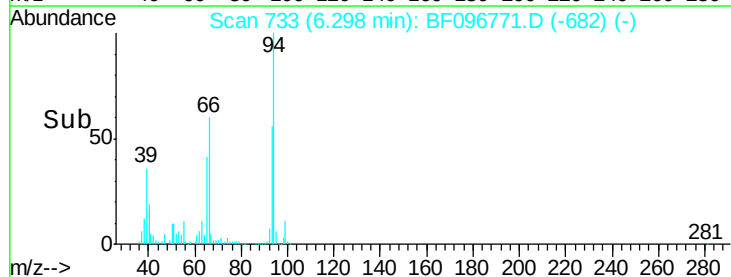
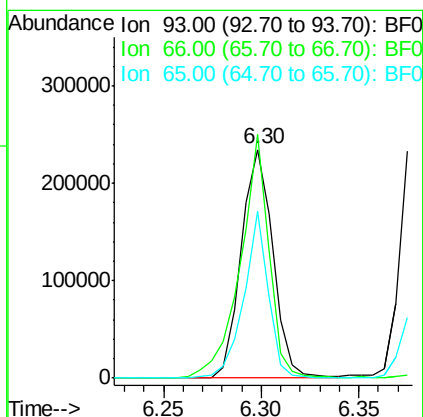
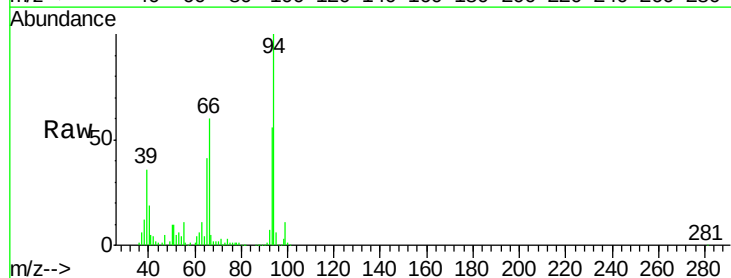
RT: 6.30 min Scan# 733

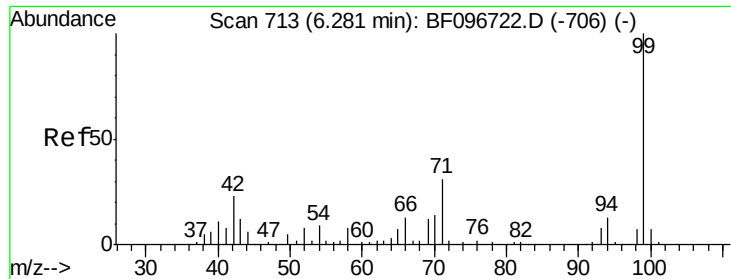
Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion:	93	Resp:	264010
Ion Ratio	Lower	Upper	
93	100		
66	106.5	32.9	49.3#
65	72.9	16.0	24.0#





#7

Phenol-d6

Concen: 88.094 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

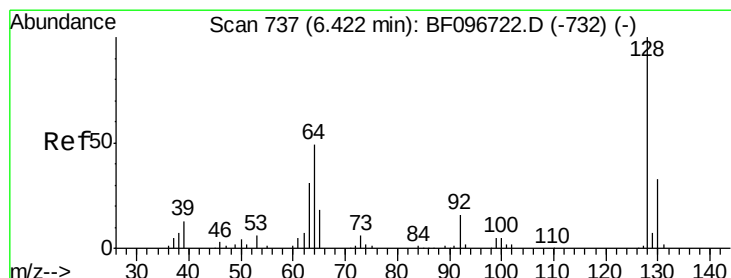
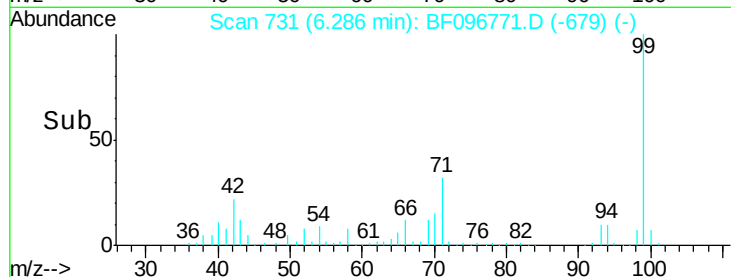
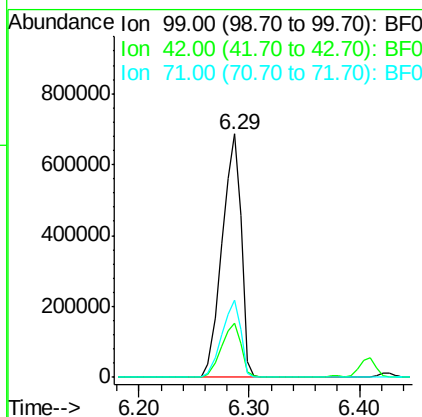
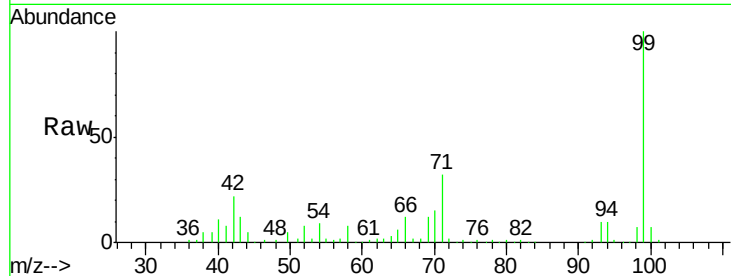
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	829882		
42	22.2	13.5	20.3#	
71	31.8	24.5	36.7	

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#8

2-Chlorophenol

Concen: 29.826 ng

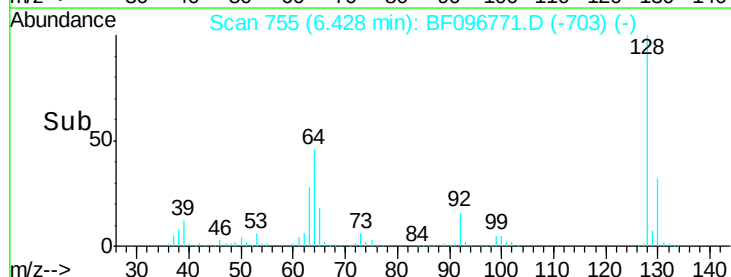
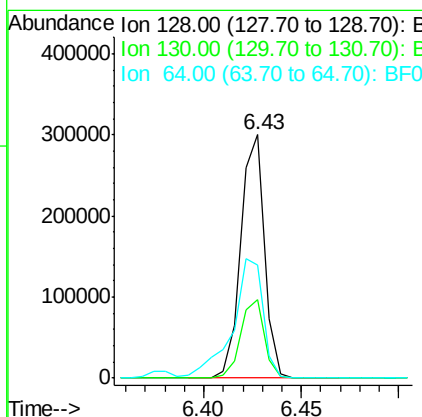
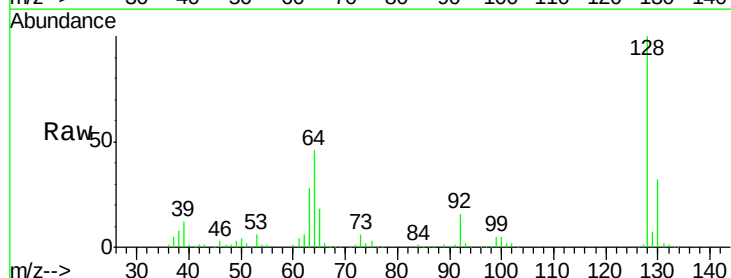
RT: 6.43 min Scan# 755

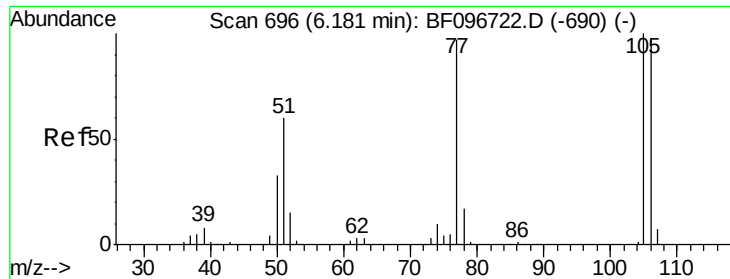
Delta R.T. 0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	252587		
130	32.4	12.9	52.9	
64	46.2	28.4	68.4	





#9

Benzaldehyde

Concen: 26.218 ng

RT: 6.18 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

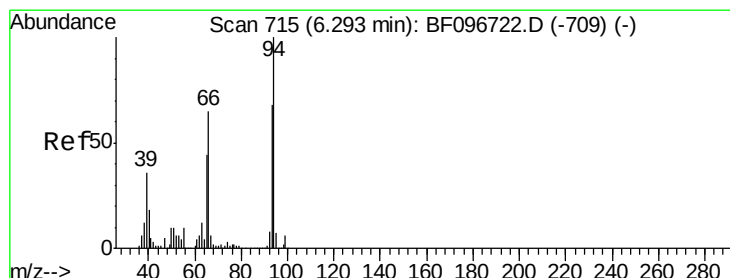
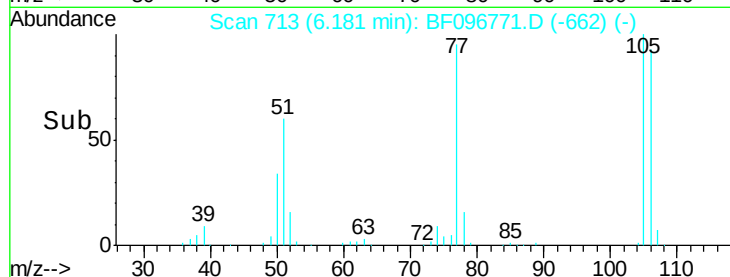
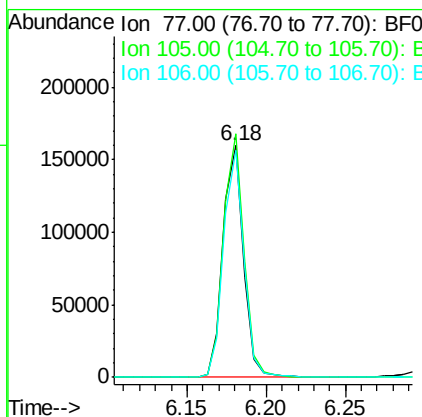
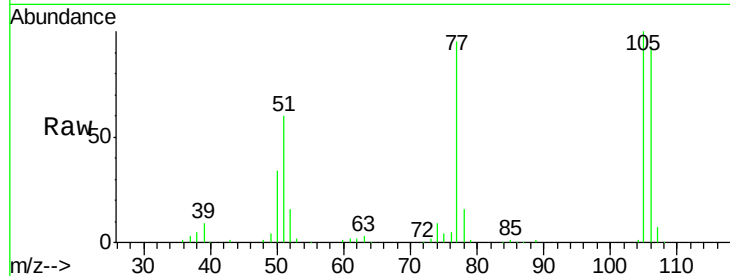
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion: 77 Resp: 142757
 Ion Ratio Lower Upper
 77 100
 105 105.0 83.8 123.8
 106 98.1 79.1 119.1

Manual Integrations
 APPROVED

mohammad
 7/17/2017 3:56:15 PM



#10

Phenol

Concen: 30.169 ng

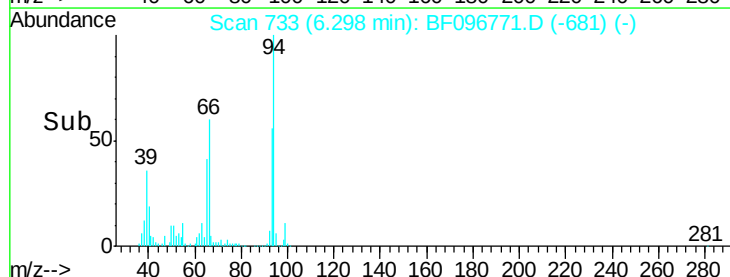
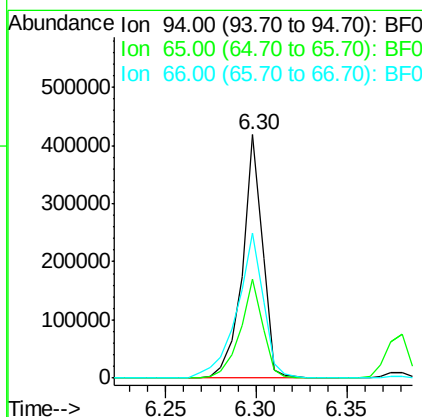
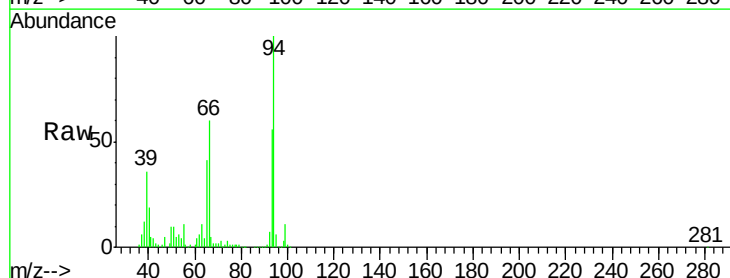
RT: 6.30 min Scan# 733

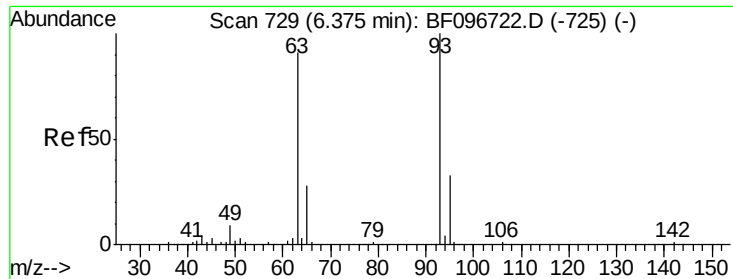
Delta R.T. 0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion: 94 Resp: 321280
 Ion Ratio Lower Upper
 94 100
 65 40.9 9.9 49.9
 66 59.7 23.1 63.1





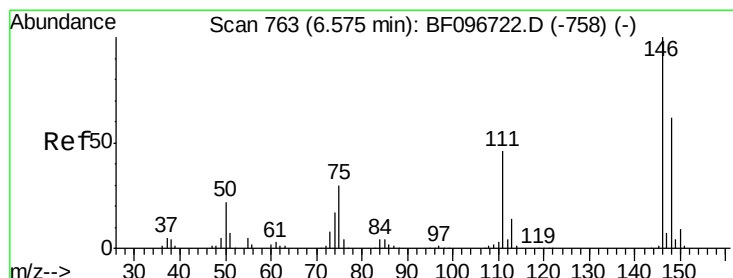
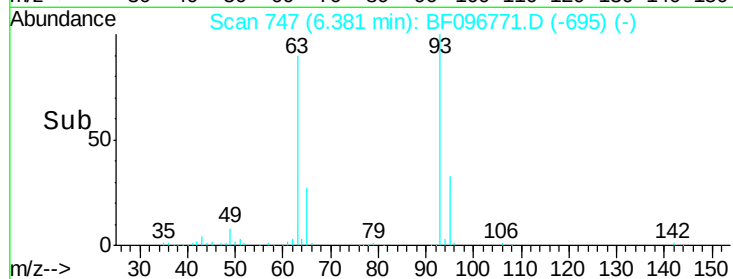
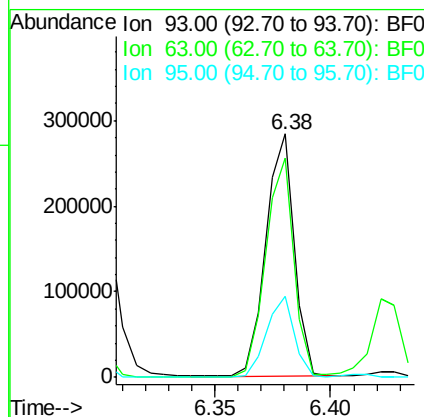
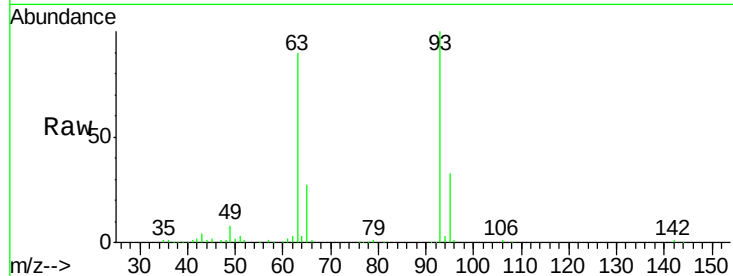
#11
bis(2-Chloroethyl)ether
Concen: 30.484 ng
RT: 6.38 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion:	93	Resp:	244128
Ion	Ratio	Lower	Upper
93	100		
63	89.9	59.2	99.2
95	33.5	12.8	52.8

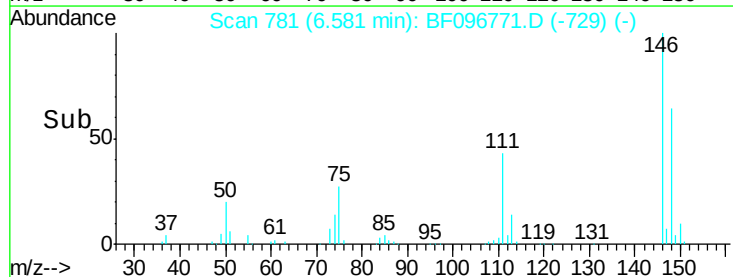
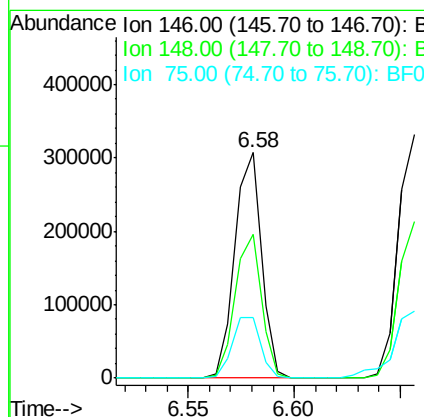
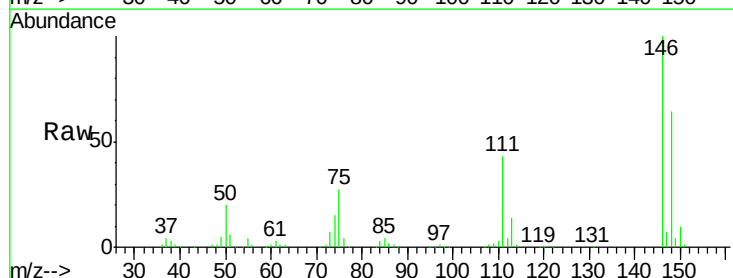
Manual Integrations
APPROVED

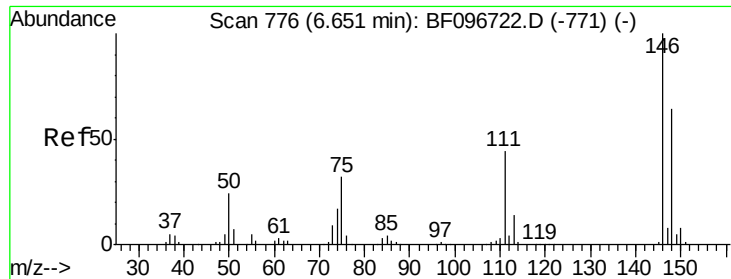
mohammad
7/17/2017 3:56:15 PM



#12
1,3-Dichlorobenzene
Concen: 29.649 ng
RT: 6.58 min Scan# 781
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion:	146	Resp:	266907
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.6
75	27.1	23.1	34.7





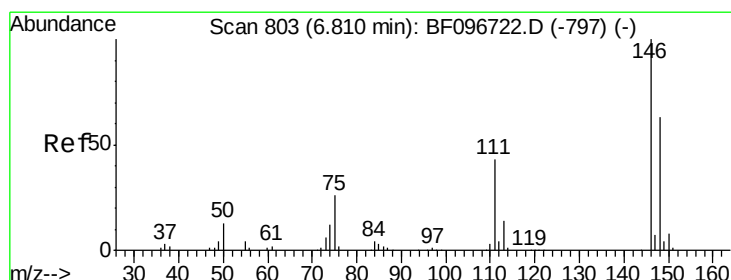
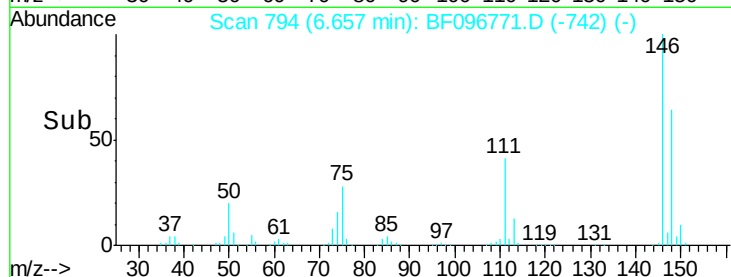
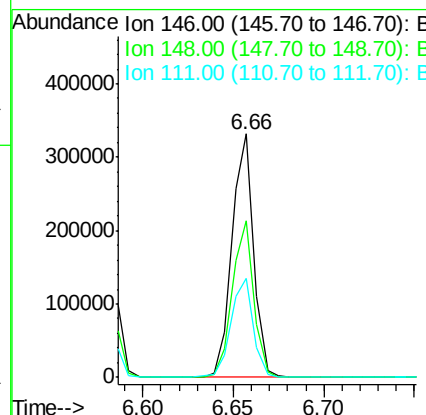
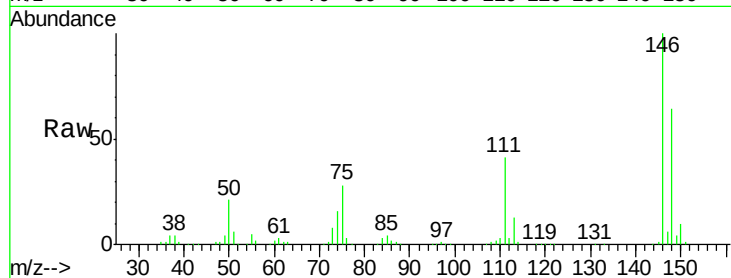
#13
 1,4-Dichlorobenzene
 Concen: 30.172 ng
 RT: 6.66 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	40.7	30.3	45.5

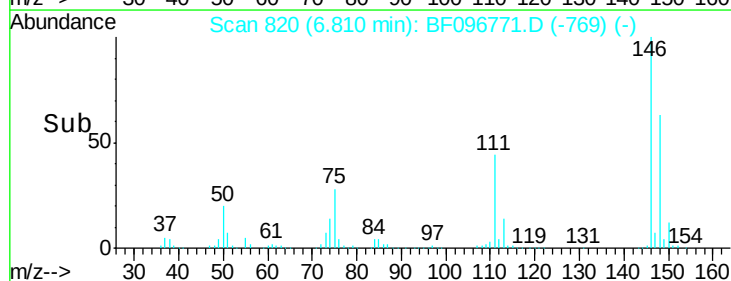
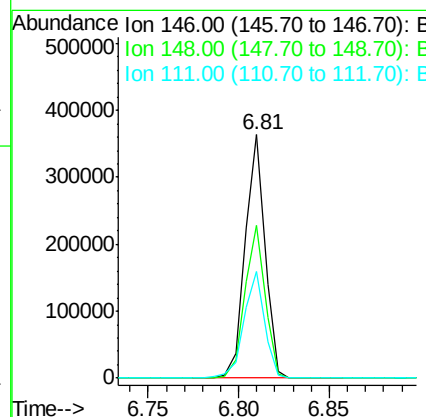
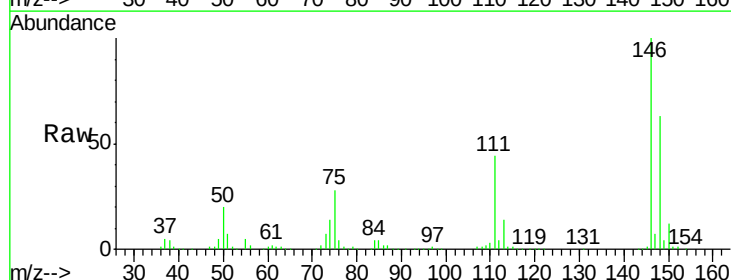
Manual Integrations
 APPROVED

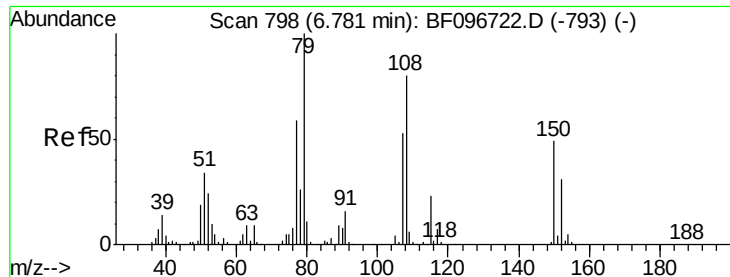
mohammad
 7/17/2017 3:56:15 PM



#14
 1,2-Dichlorobenzene
 Concen: 33.282 ng
 RT: 6.81 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.4	75.6
111	43.8	38.2	57.4





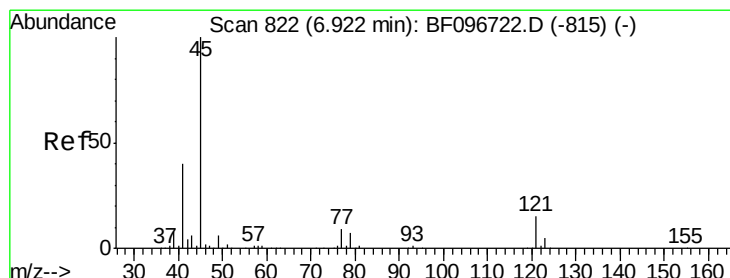
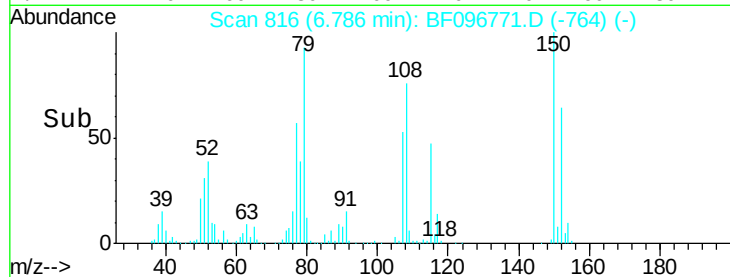
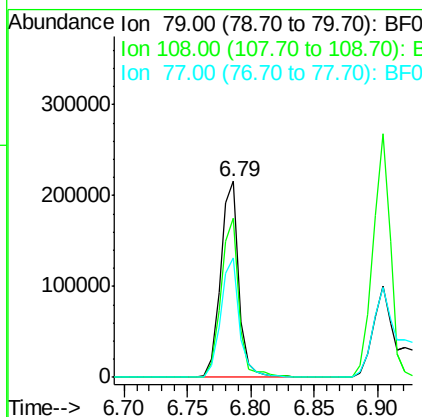
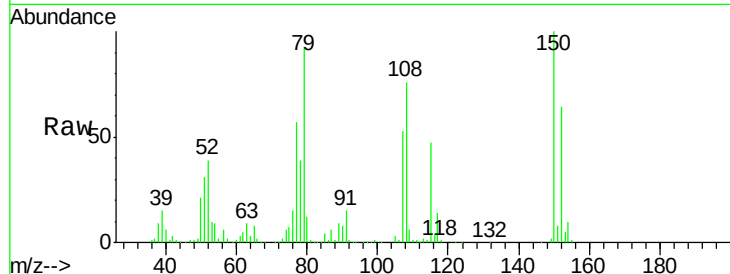
#15
Benzyl Alcohol
Concen: 35.329 ng
RT: 6.79 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion: 79 Resp: 217891
Ion Ratio Lower Upper
79 100
108 81.6 63.4 95.0
77 61.3 49.2 73.8

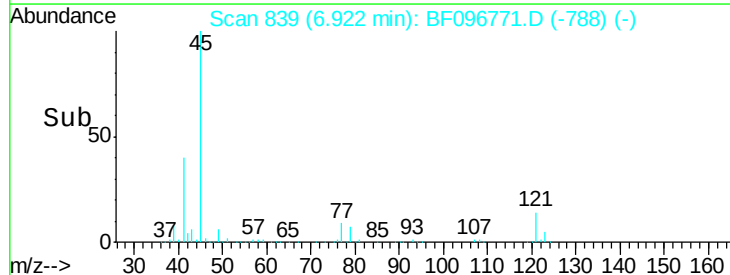
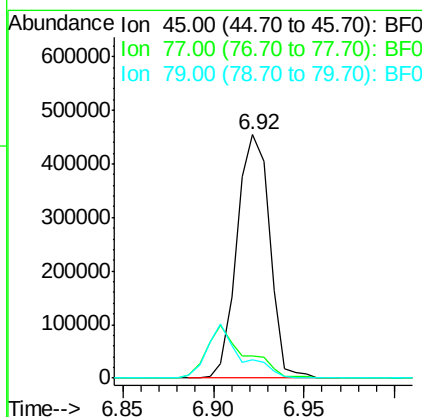
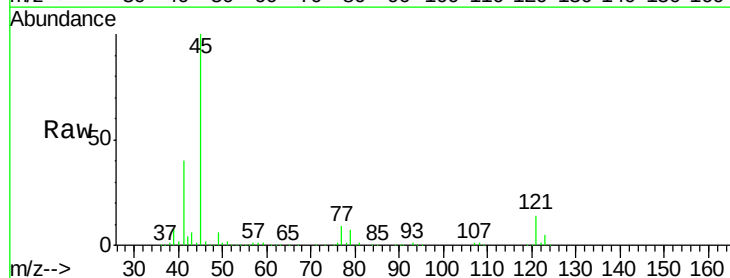
Manual Integrations
APPROVED

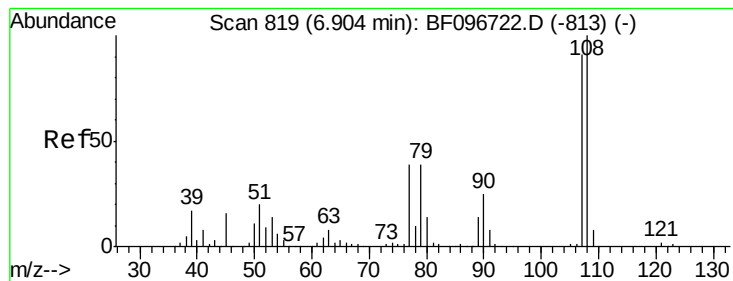
mohammad
7/17/2017 3:56:15 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.577 ng
RT: 6.92 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion: 45 Resp: 571467
Ion Ratio Lower Upper
45 100
77 9.0 0.0 33.2
79 7.3 0.0 30.0





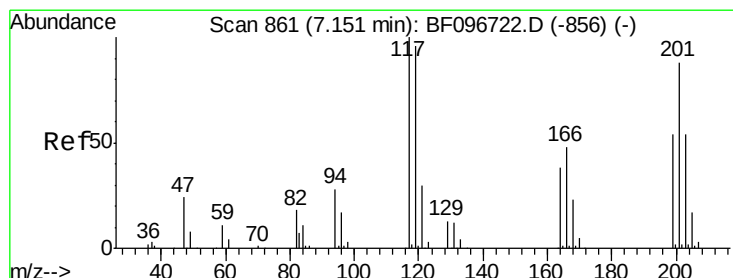
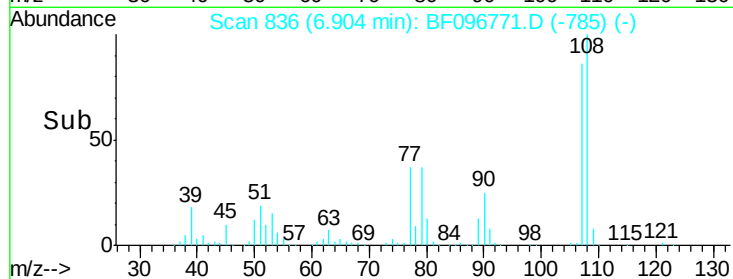
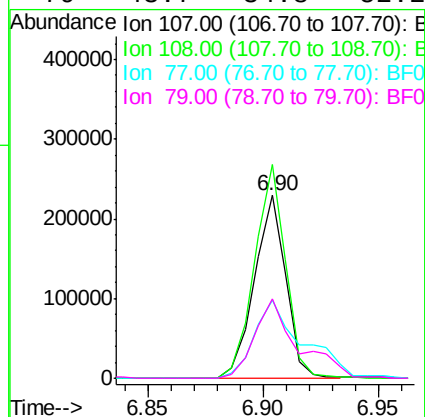
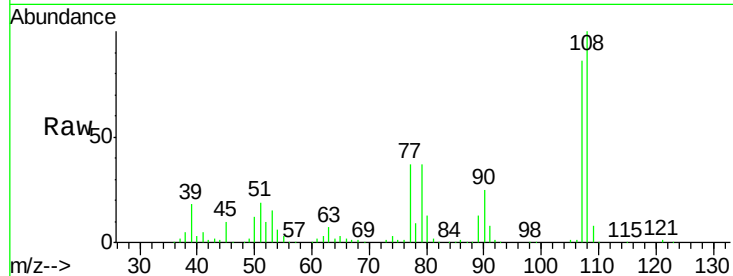
#17
2-Methylphenol
Concen: 33.220 ng
RT: 6.90 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	218775		
108	116.7	93.4	140.0	
77	43.0	35.8	53.6	
79	43.7	34.8	52.2	

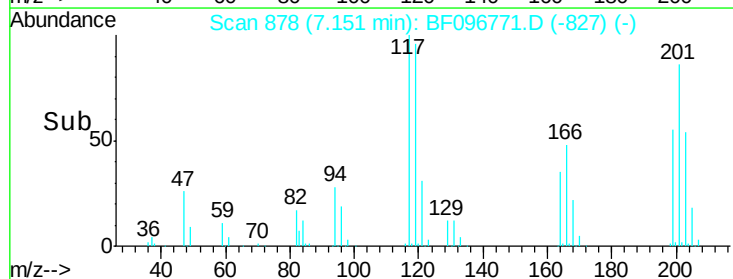
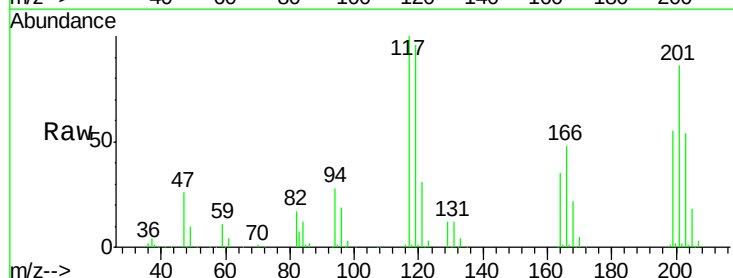
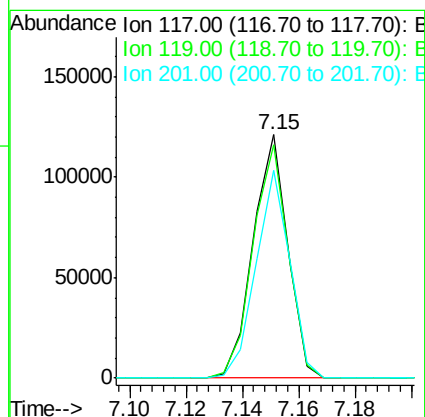
Manual Integrations
APPROVED

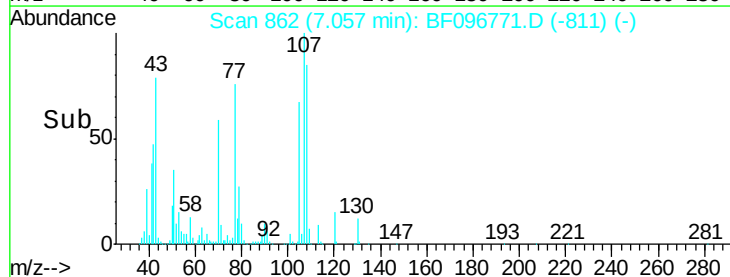
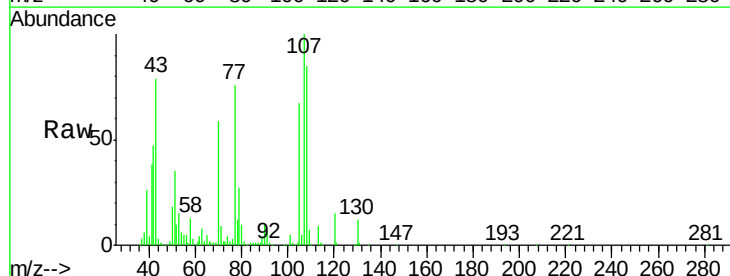
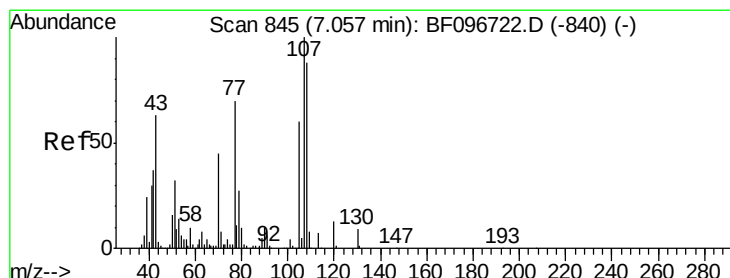
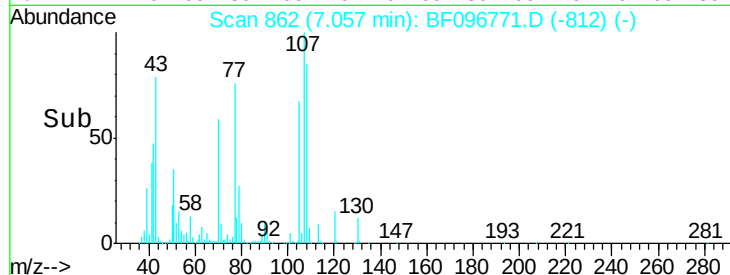
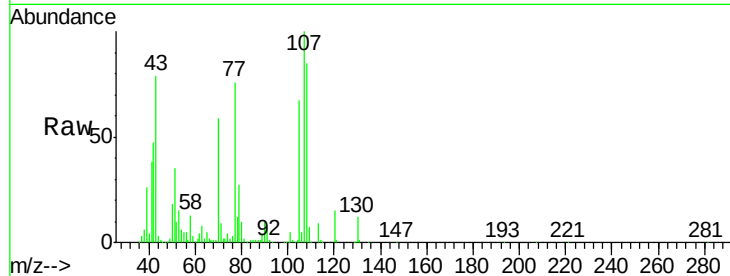
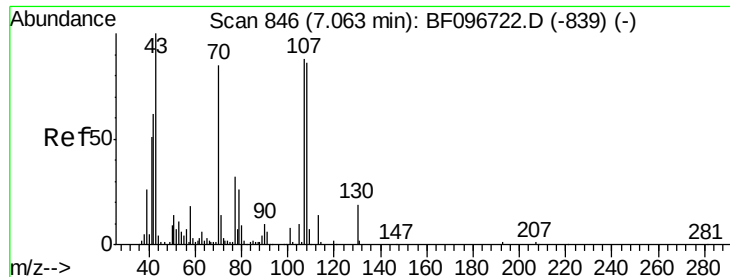
mohammad
7/17/2017 3:56:15 PM



#18
Hexachloroethane
Concen: 31.812 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102838		
119	95.7	77.4	116.0	
201	85.5	94.6	141.8#	





#19

n-Nitroso-di-n-propylamine

Concen: 31.908 ng

RT: 7.06 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion: 70 Resp: 181093

Ion Ratio Lower Upper

70 100

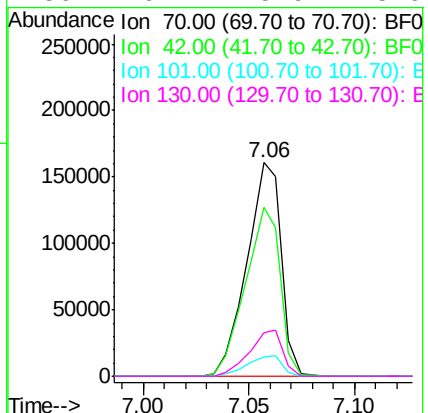
42 79.4 47.2 70.8#

101 9.1 7.2 10.8

130 20.1 15.9 23.9

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#20

3+4-Methylphenols

Concen: 33.036 ng

RT: 7.06 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion: 107 Resp: 264003

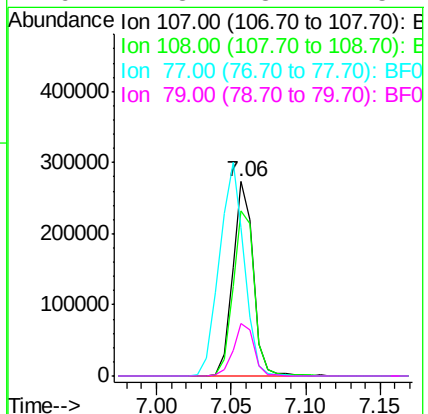
Ion Ratio Lower Upper

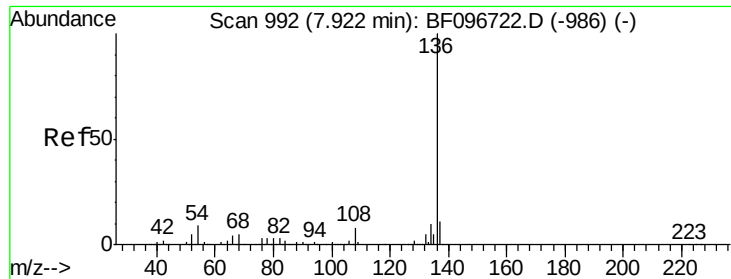
107 100

108 85.3 71.0 111.0

77 76.5 90.5 130.5#

79 27.3 8.4 48.4





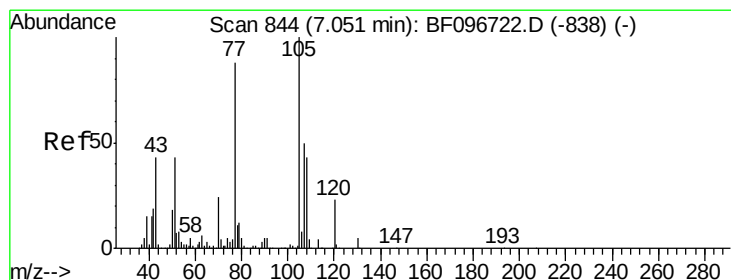
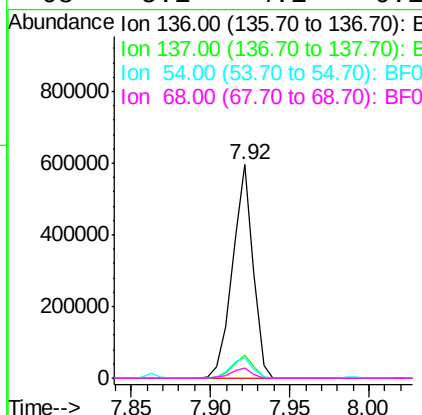
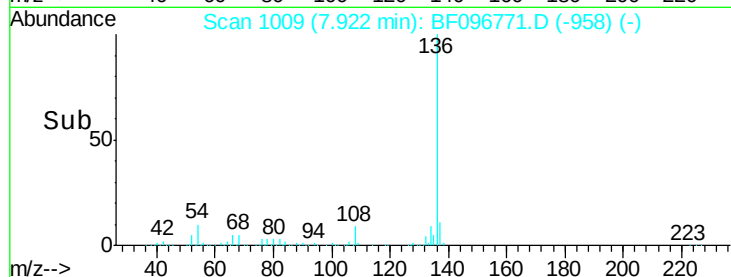
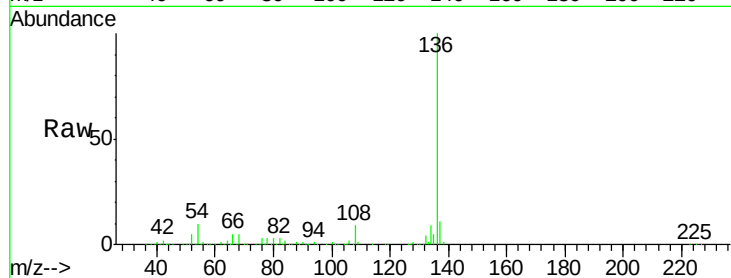
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.92 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	531294		
137	11.0	8.5	12.7	
54	9.6	4.9	7.3#	
68	5.1	4.1	6.1	

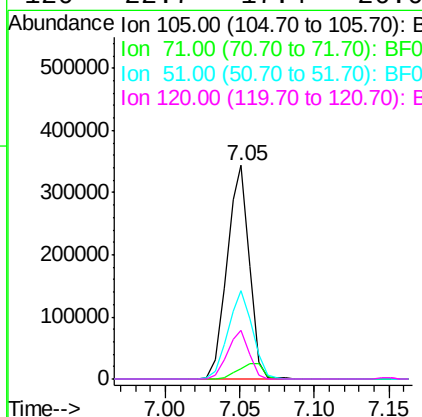
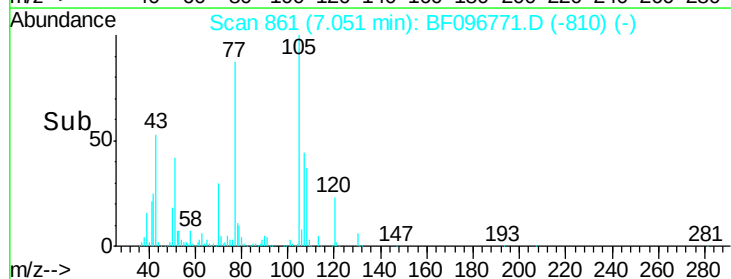
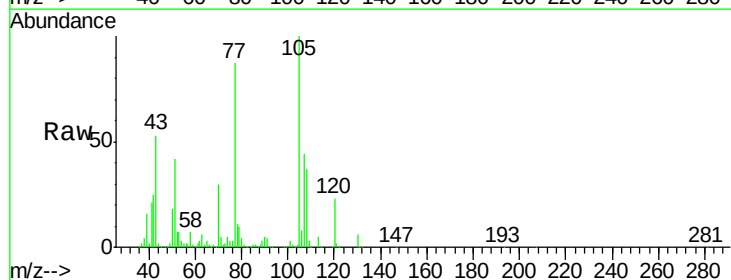
Manual Integrations
APPROVED

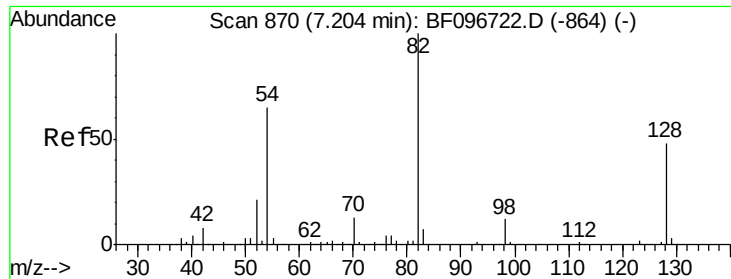
mohammad
7/17/2017 3:56:15 PM



#22
Acetophenone
Concen: 30.669 ng
RT: 7.05 min Scan# 861
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364186		
71	4.7	2.8	4.2#	
51	41.6	30.7	46.1	
120	22.7	17.4	26.0	





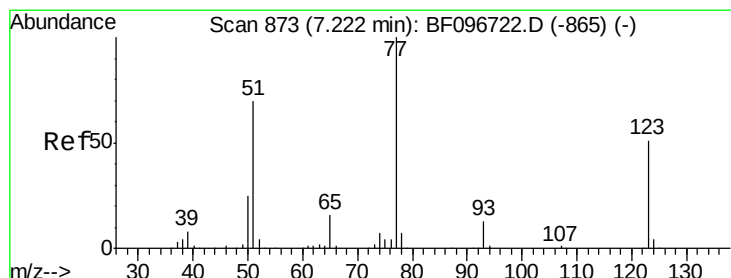
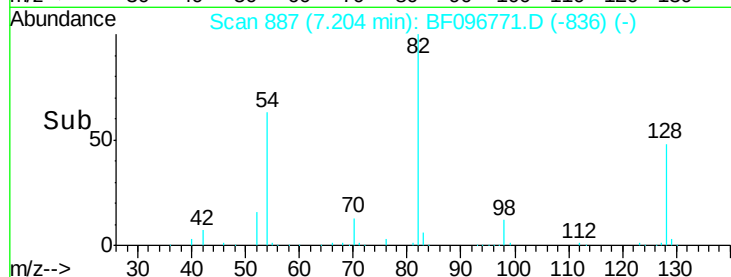
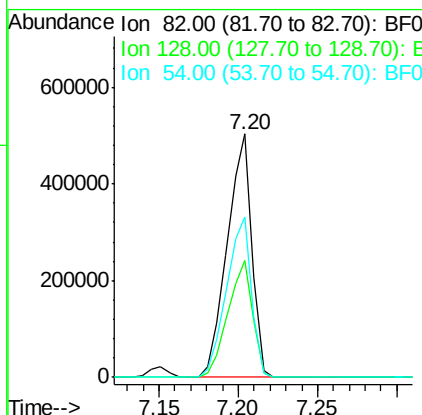
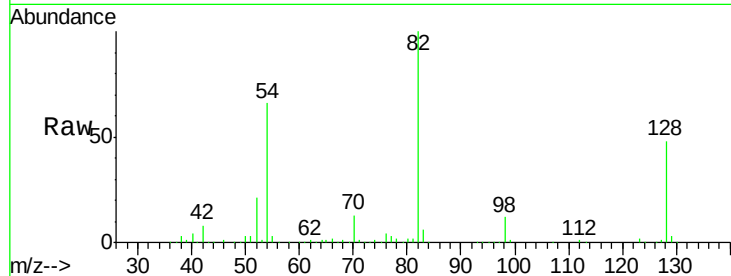
#23
 Nitrobenzene-d5
 Concen: 62.945 ng
 RT: 7.20 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	539908		
128	47.9	34.0	51.0	
54	66.0	42.2	63.2#	

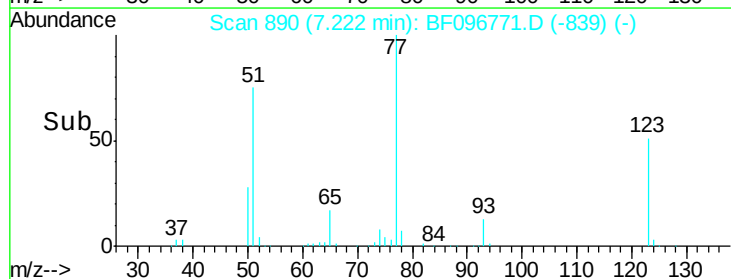
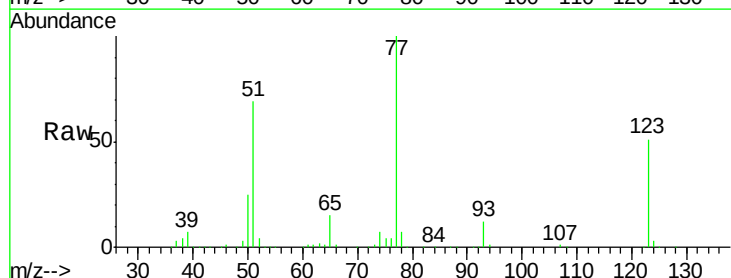
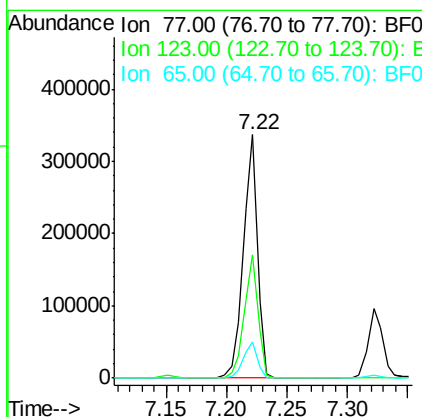
Manual Integrations
 APPROVED

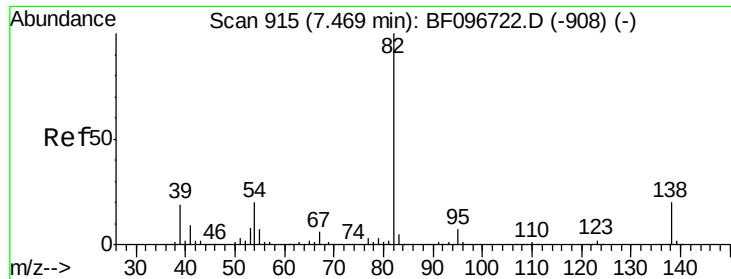
mohammad
 7/17/2017 3:56:15 PM



#24
 Nitrobenzene
 Concen: 31.236 ng
 RT: 7.22 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	277097		
123	50.9	35.8	53.8	
65	15.1	10.6	15.8	





#25

Isophorone

Concen: 31.733 ng

RT: 7.46 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

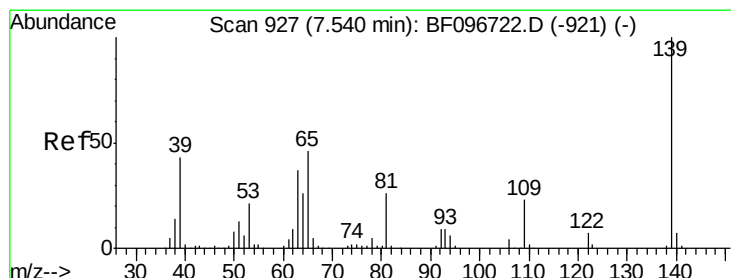
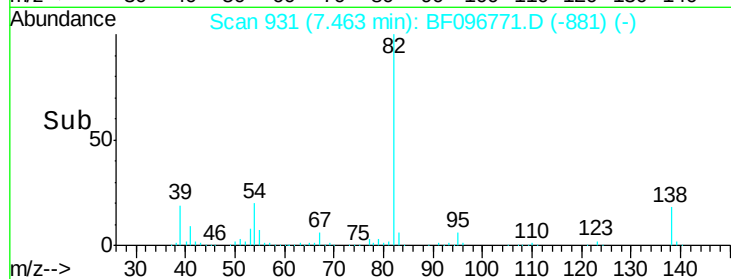
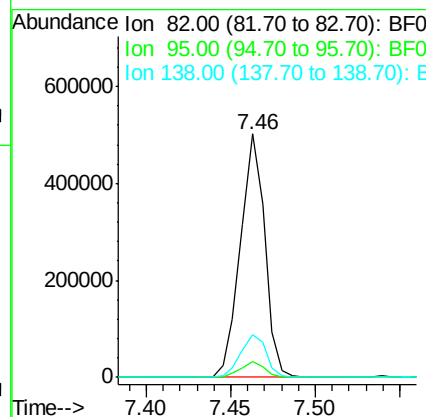
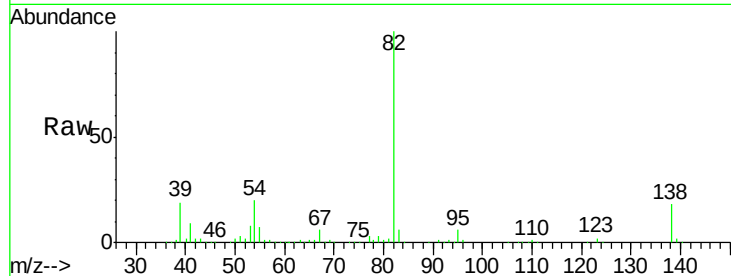
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion:	82	Resp:	506352
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.3	7.9
138	17.8	13.1	19.7

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#26

2-Nitrophenol

Concen: 28.526 ng

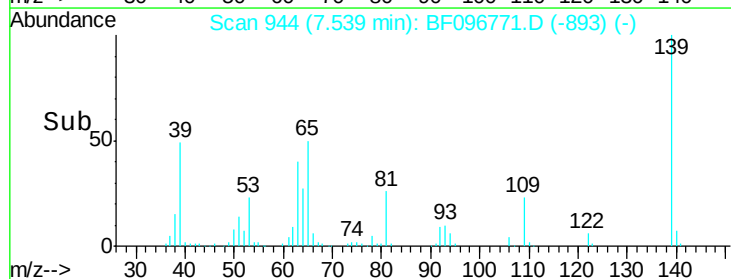
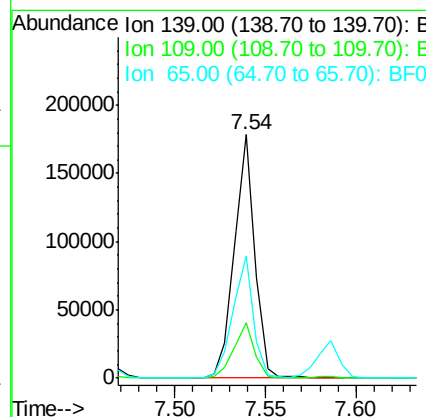
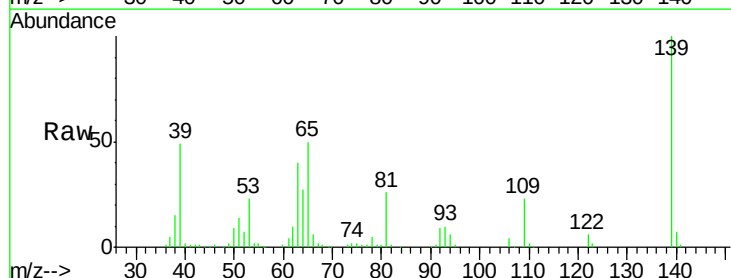
RT: 7.54 min Scan# 944

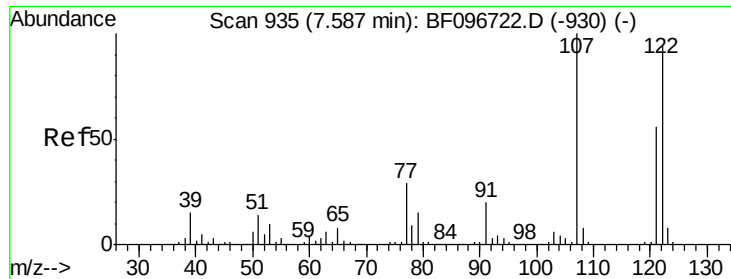
Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion:	139	Resp:	140708
Ion Ratio	Lower	Upper	
139	100		
109	22.8	21.0	31.6
65	50.3	33.0	49.6





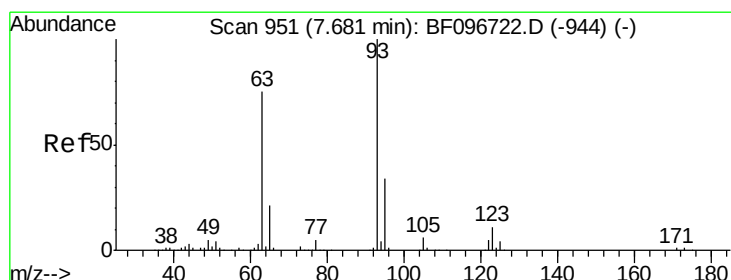
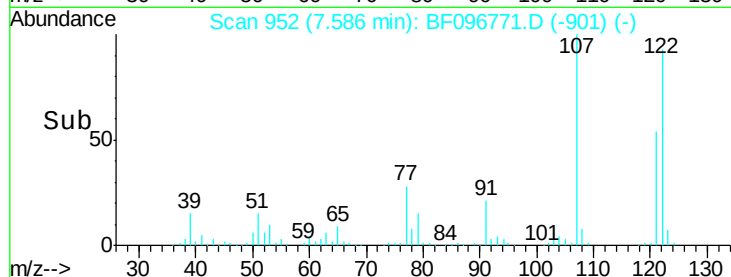
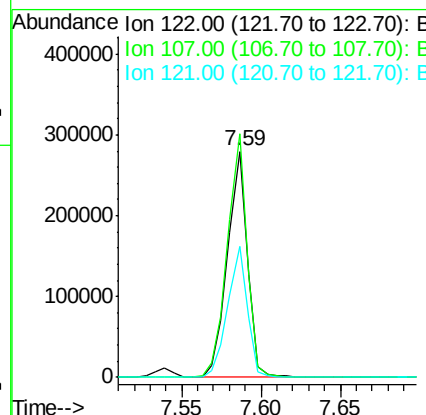
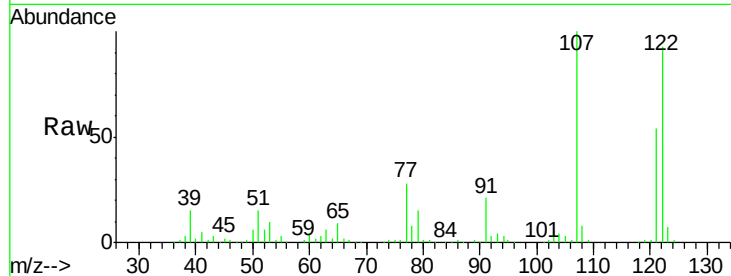
#27
 2,4-Dimethylphenol
 Concen: 30.317 ng
 RT: 7.59 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
122	100		
107	107.9	89.2	133.8
121	58.1	45.2	67.8

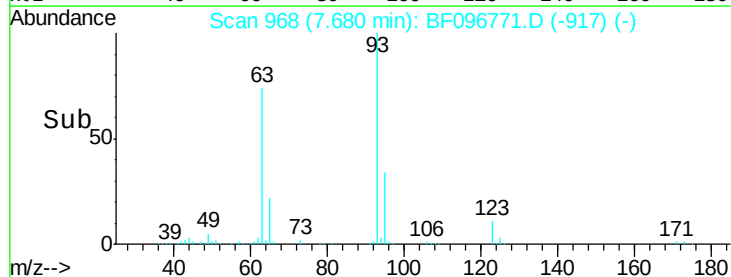
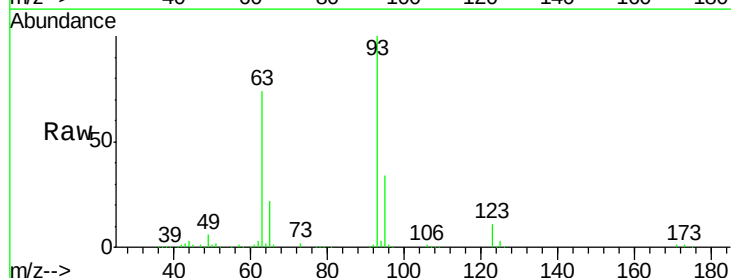
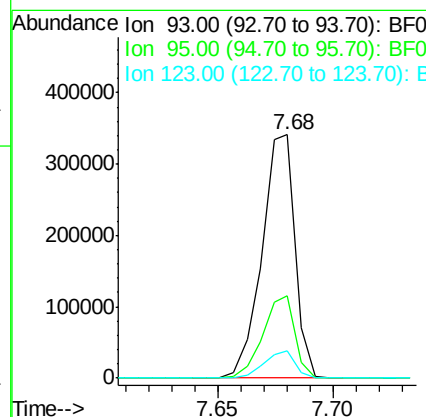
Manual Integrations
 APPROVED

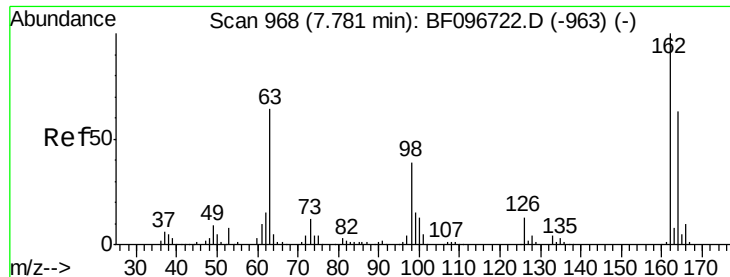
mohammad
 7/17/2017 3:56:15 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 31.663 ng
 RT: 7.68 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.6	26.5	39.7
123	11.2	9.0	13.4





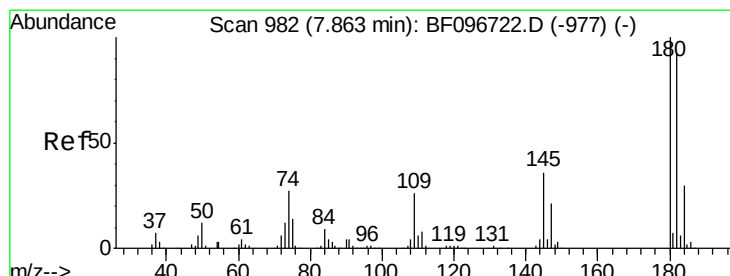
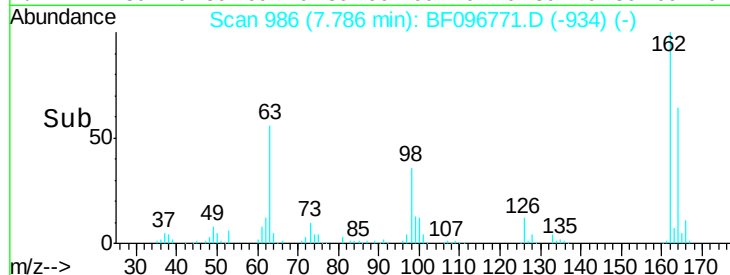
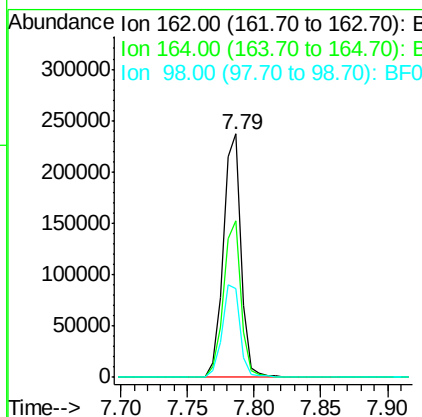
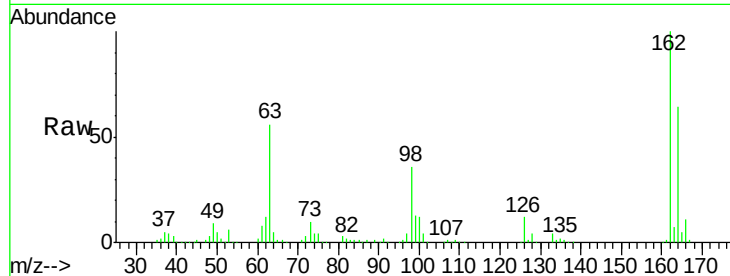
#29
 2,4-Dichlorophenol
 Concen: 30.479 ng
 RT: 7.79 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion:	162	Resp:	223886
Ion Ratio	Lower	Upper	
162	100		
164	64.2	44.6	84.6
98	36.2	14.8	54.8

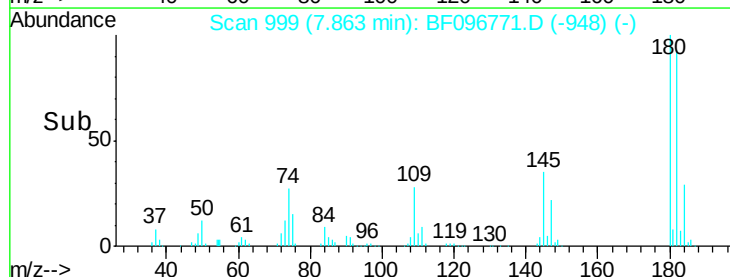
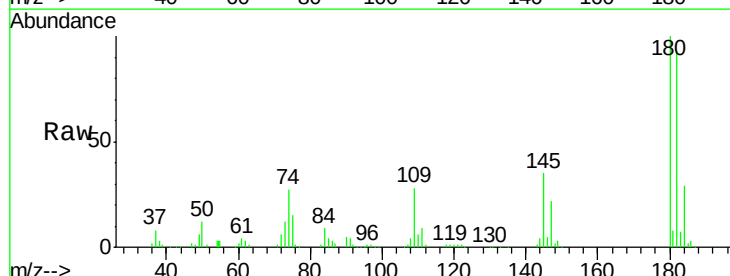
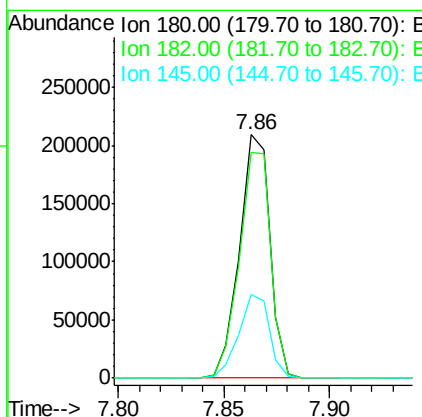
Manual Integrations
 APPROVED

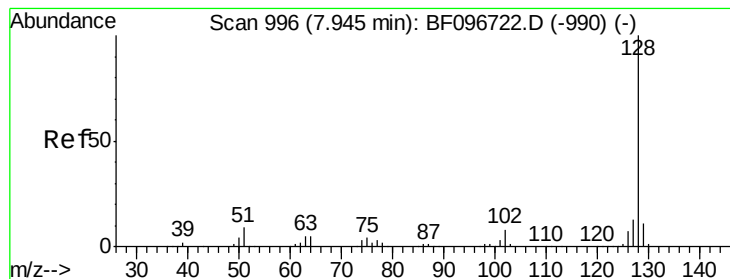
mohammad
 7/17/2017 3:56:15 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 29.915 ng
 RT: 7.86 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion:	180	Resp:	208931
Ion Ratio	Lower	Upper	
180	100		
182	92.9	75.8	113.6
145	34.5	25.3	37.9





#31

Naphthalene

Concen: 30.664 ng

RT: 7.95 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

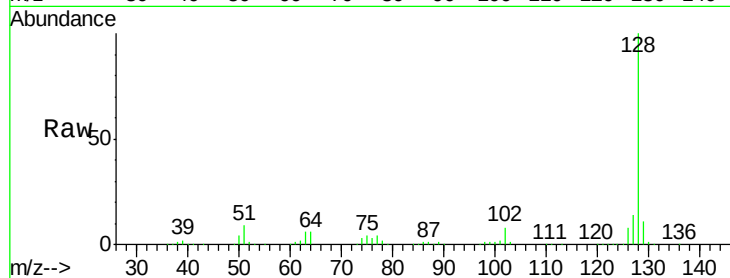
ClientSampleId :

WEST-GAS-SIDEWALLMS

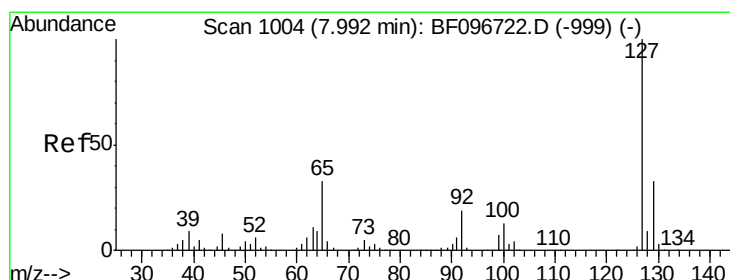
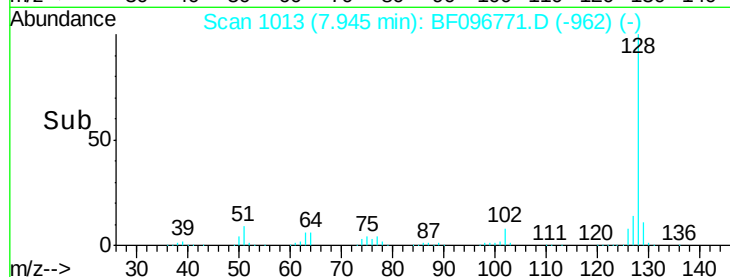
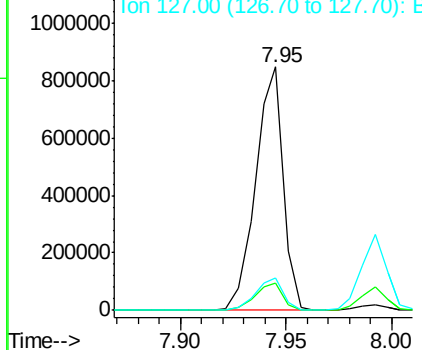
Tgt Ion:	128	Resp:	771758
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.5	10.8	16.2

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 22.618 ng

RT: 7.99 min Scan# 1021

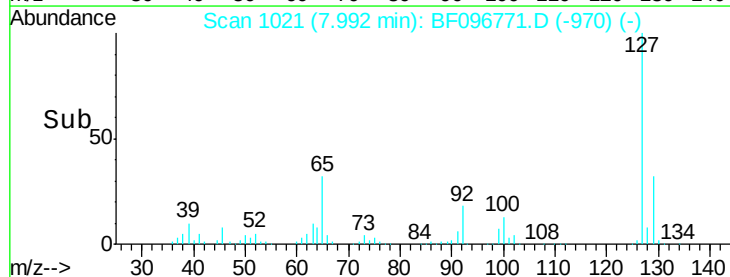
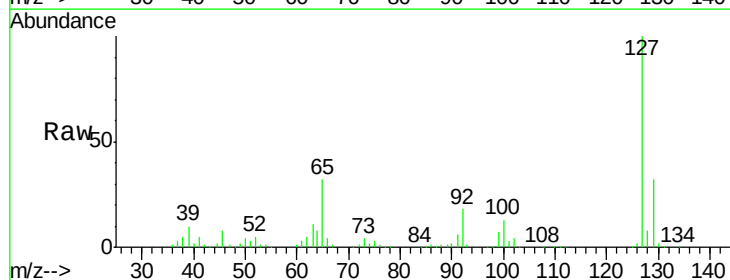
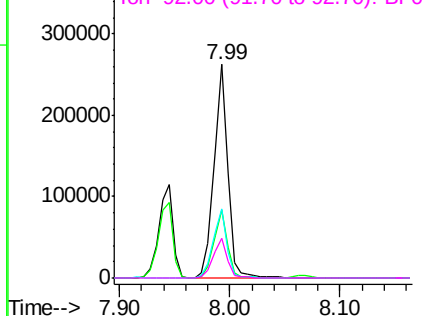
Delta R.T. -0.00 min

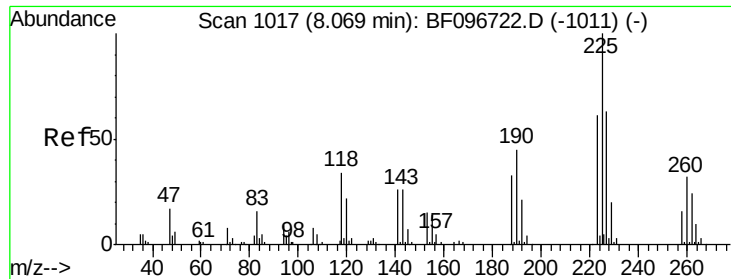
Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion:	127	Resp:	225546
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.2
65	32.5	27.8	41.8
92	18.4	16.8	25.2

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





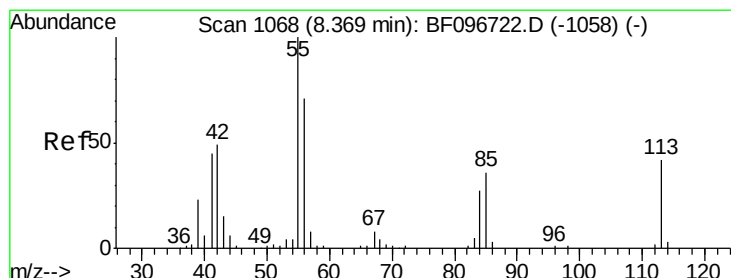
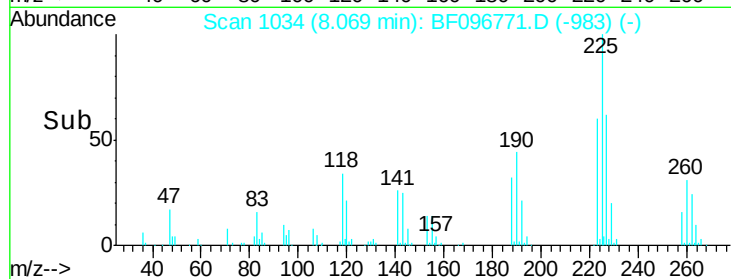
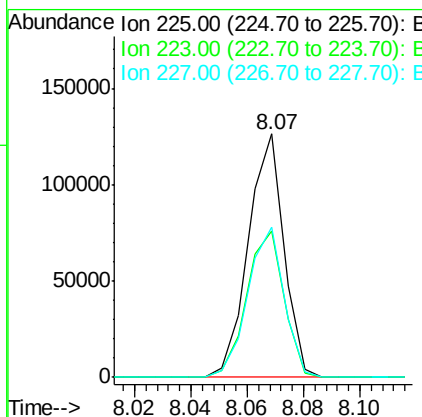
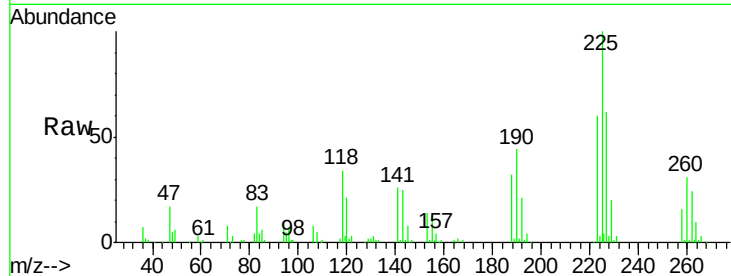
#34
Hexachlorobutadiene
Concen: 29.611 ng
RT: 8.07 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110401		
223	60.0	48.8	73.2	
227	61.5	51.1	76.7	

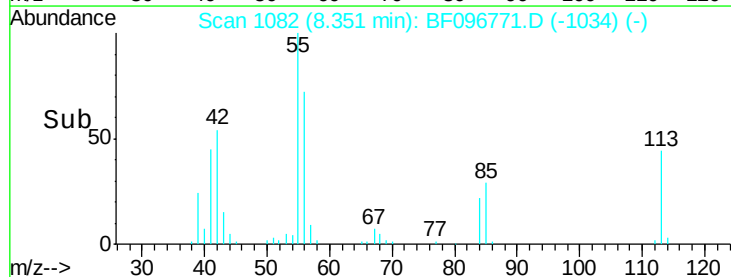
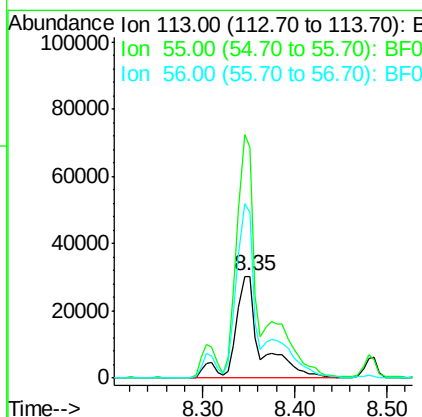
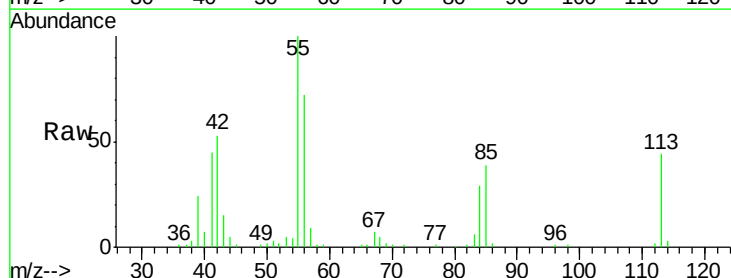
Manual Integrations
APPROVED

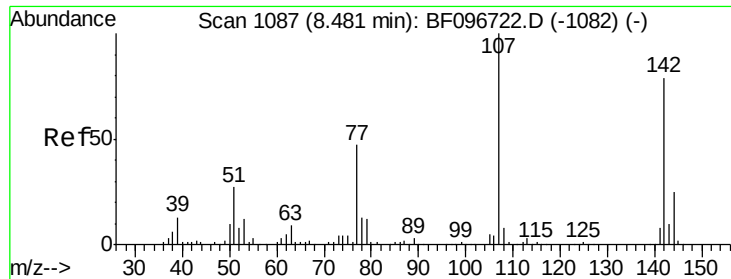
mohammad
7/17/2017 3:56:15 PM



#35
Caprolactam
Concen: 25.594 ng m
RT: 8.35 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	60238		
55	226.9	150.2	190.2#	
56	162.7	107.8	147.8#	





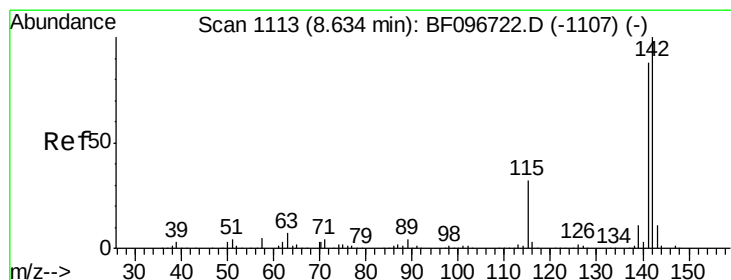
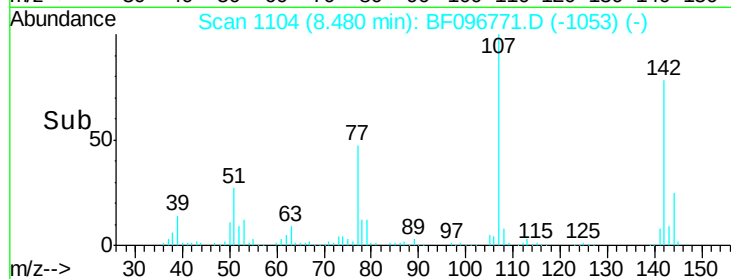
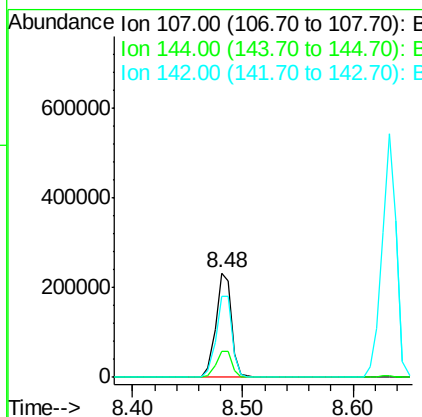
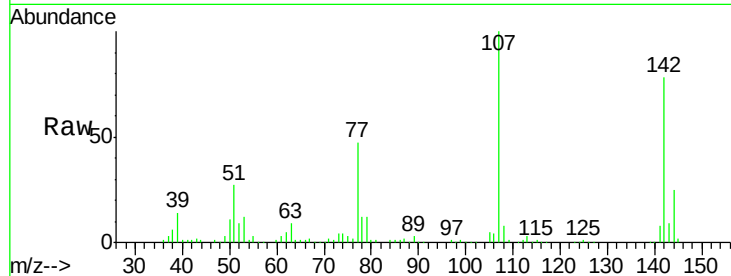
#36
 4-Chloro-3-methylphenol
 Concen: 28.906 ng
 RT: 8.48 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	228305		
144	25.0	24.2	36.4	
142	78.3	73.4	110.0	

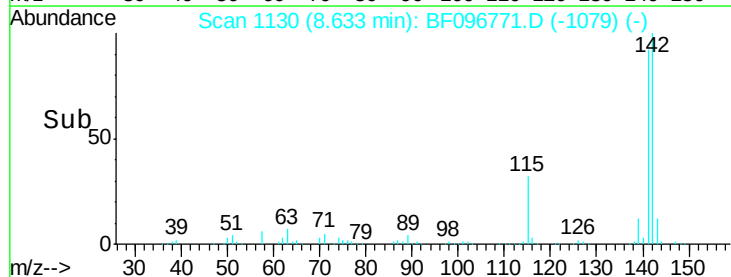
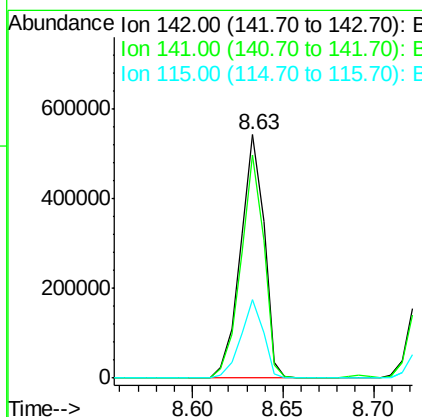
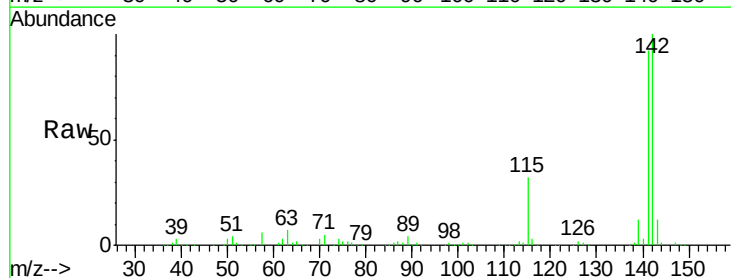
Manual Integrations
 APPROVED

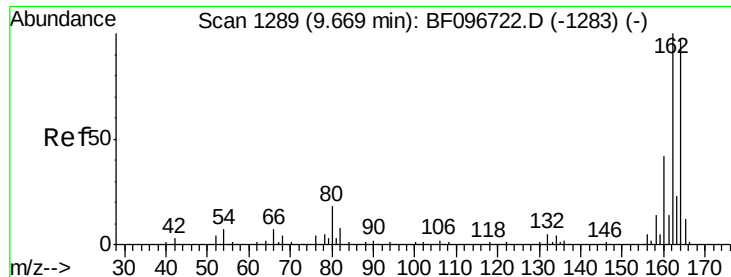
mohammad
 7/17/2017 3:56:15 PM



#37
 2-Methylnaphthalene
 Concen: 30.543 ng
 RT: 8.63 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	490079		
141	91.8	71.3	106.9	
115	32.1	27.1	40.7	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

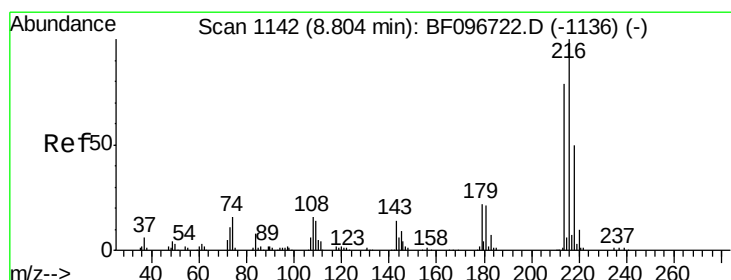
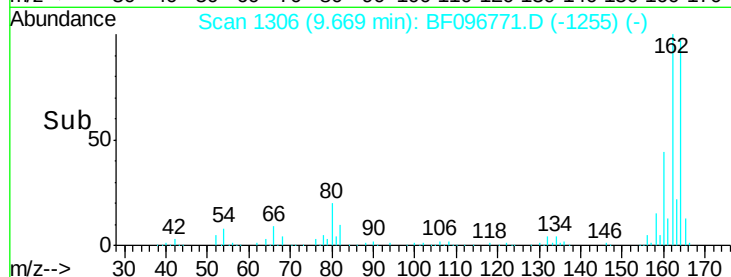
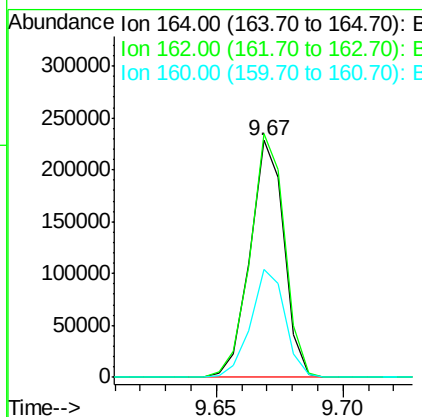
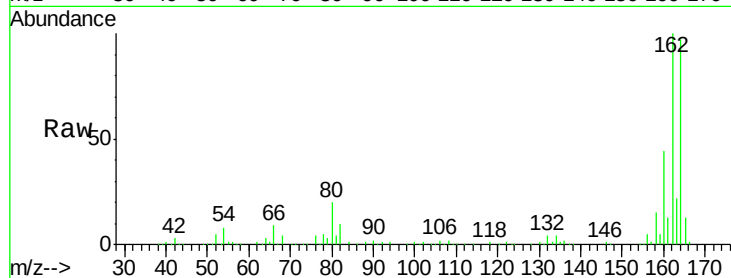
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion:	164	Resp:	212297
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.6	123.8
160	45.7	36.2	54.2

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.189 ng

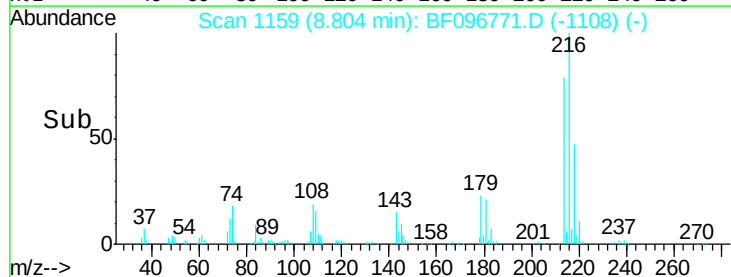
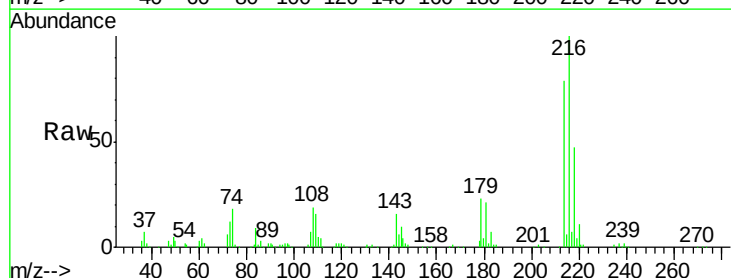
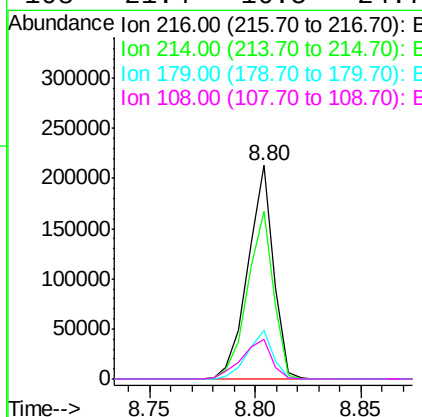
RT: 8.80 min Scan# 1159

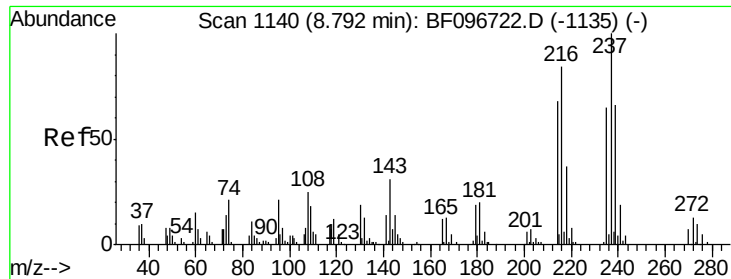
Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion:	216	Resp:	178990
Ion Ratio	Lower	Upper	
216	100		
214	79.6	63.4	95.2
179	22.7	17.9	26.9
108	21.4	16.5	24.7





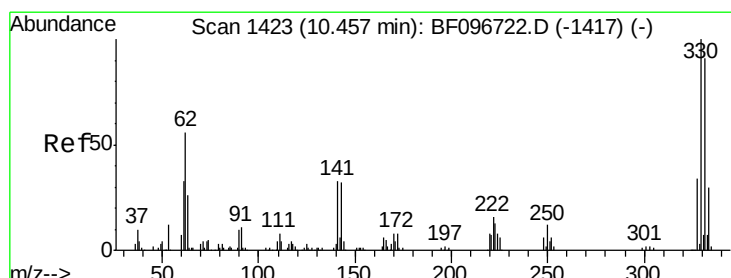
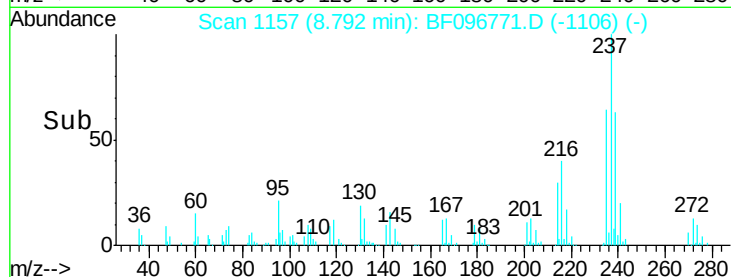
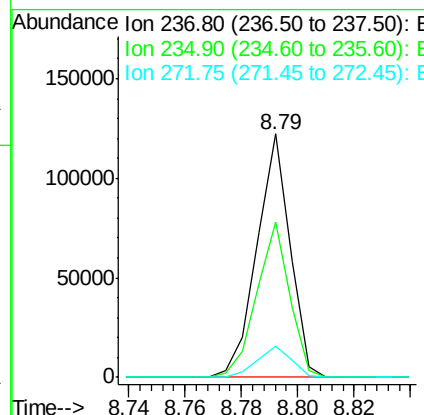
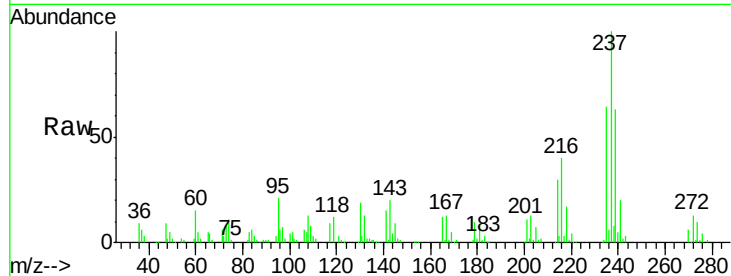
#40
Hexachlorocyclopentadiene
Concen: 48.219 ng
RT: 8.79 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	63.5	42.6	82.6
272	12.7	0.0	31.9

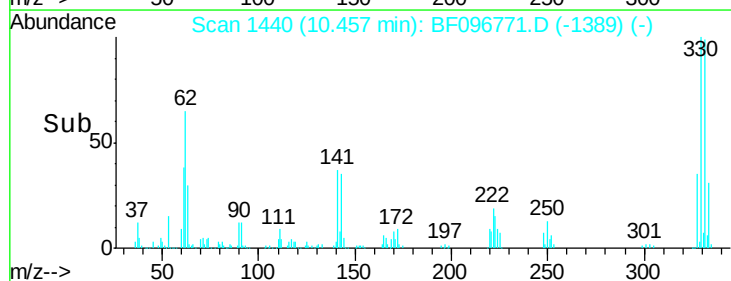
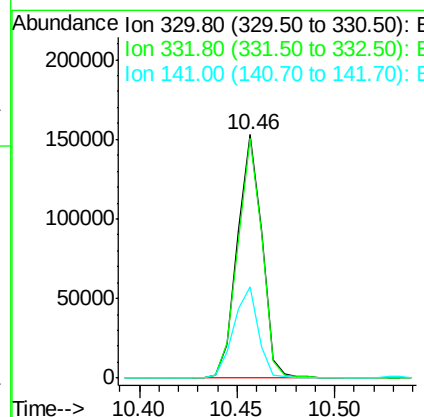
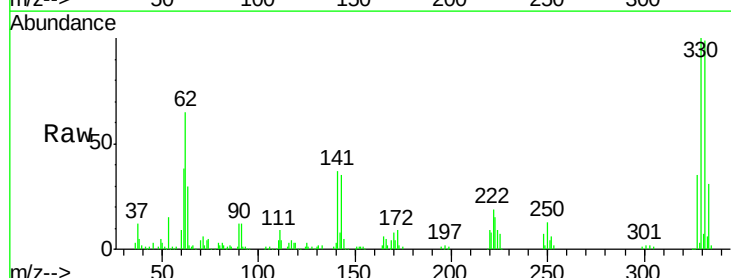
Manual Integrations
APPROVED

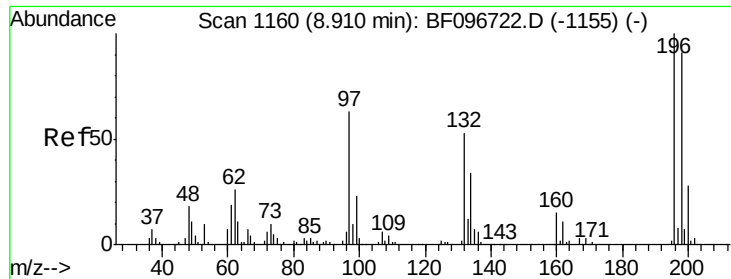
mohammad
7/17/2017 3:56:15 PM



#41
2,4,6-Tribromophenol
Concen: 74.024 ng
RT: 10.46 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.4	76.6	115.0
141	37.5	31.4	47.2





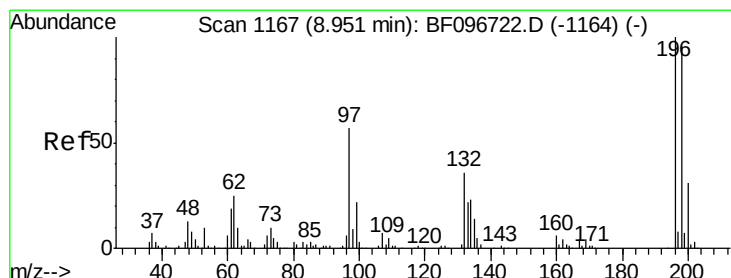
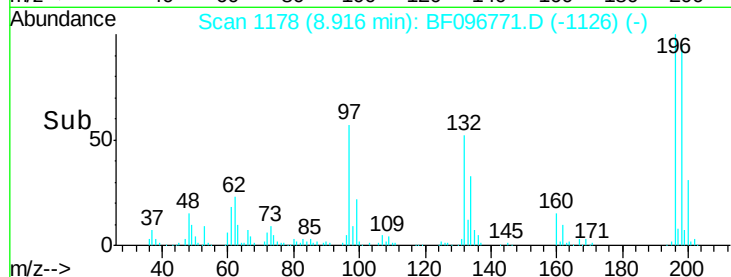
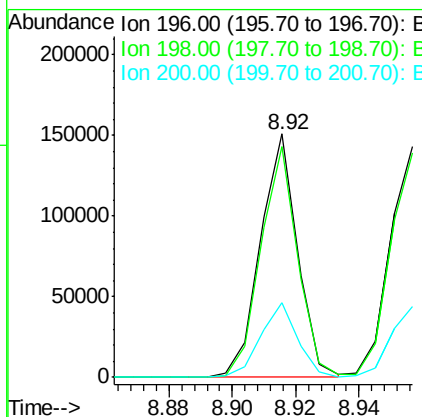
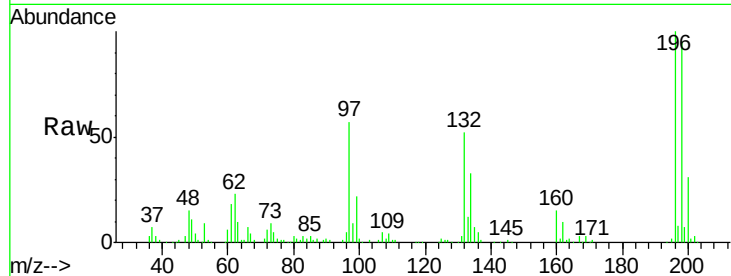
#42
 2,4,6-Trichlorophenol
 Concen: 29.009 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	122801		
198	94.6	74.2	111.4	
200	30.5	24.0	36.0	

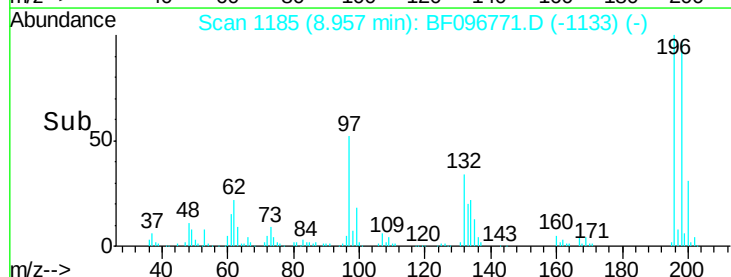
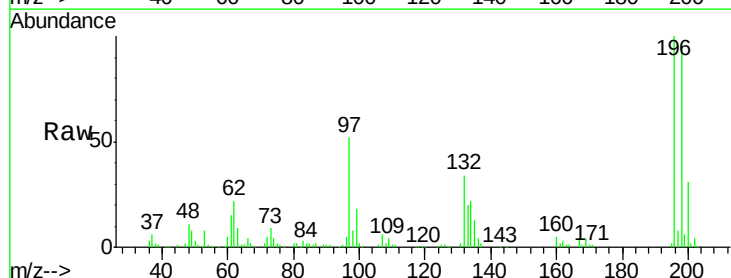
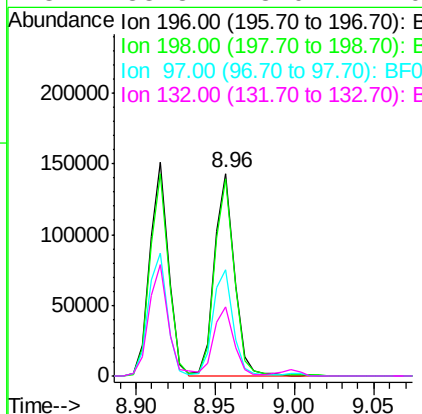
Manual Integrations
 APPROVED

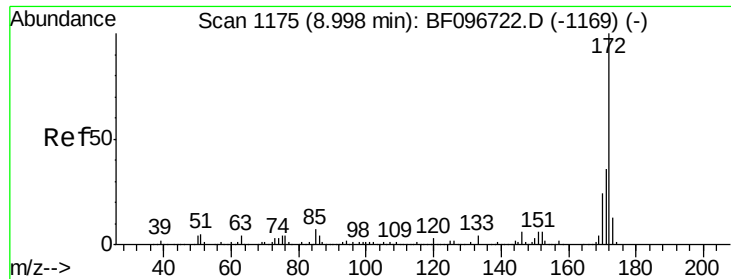
mohammad
 7/17/2017 3:56:15 PM



#43
 2,4,5-Trichlorophenol
 Concen: 29.548 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	126151		
198	97.3	75.7	113.5	
97	52.2	47.7	71.5	
132	33.8	28.0	42.0	





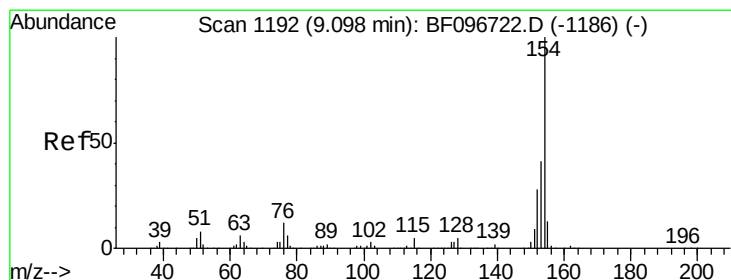
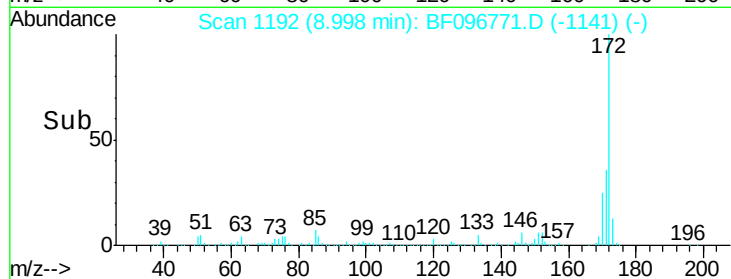
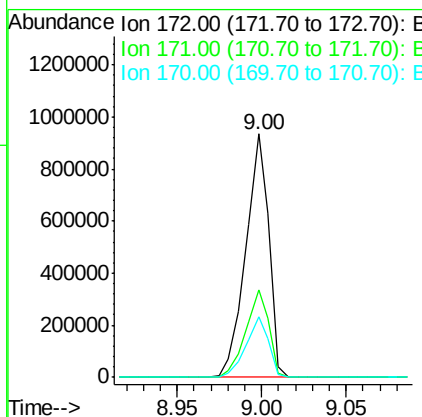
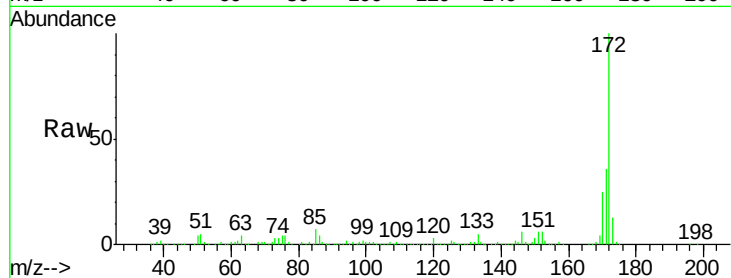
#44
2-Fluorobiphenyl
Concen: 66.335 ng
RT: 9.00 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	891354		
171	35.8	29.6	44.4	
170	24.7	19.8	29.8	

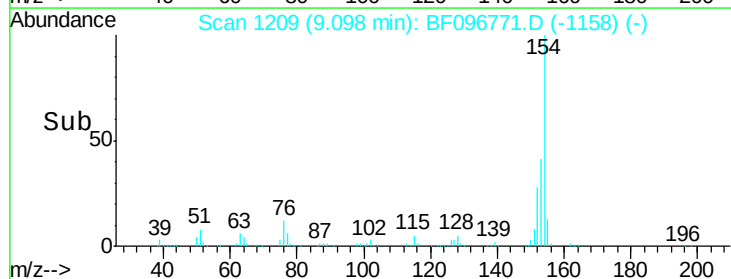
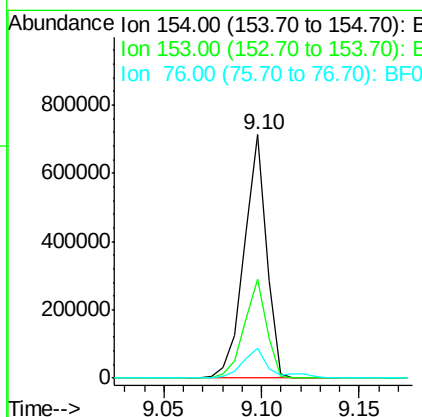
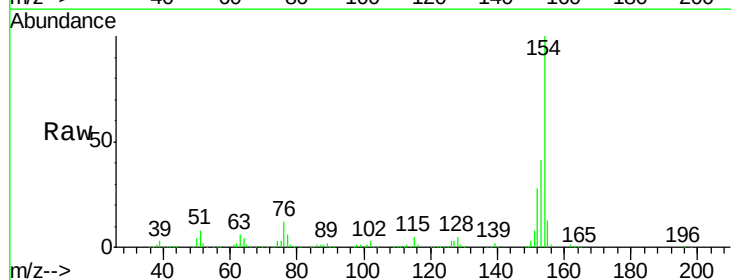
Manual Integrations
APPROVED

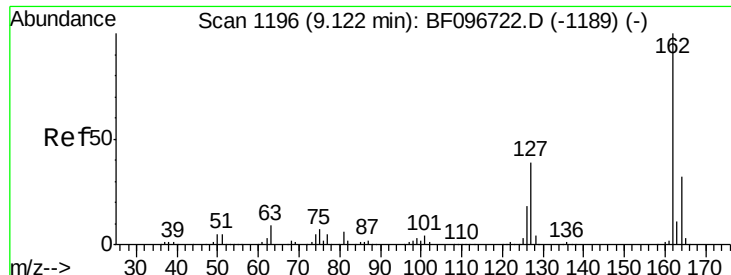
mohammad
7/17/2017 3:56:15 PM



#45
1,1'-Biphenyl
Concen: 31.064 ng
RT: 9.10 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	565602		
153	40.6	21.2	61.2	
76	12.2	0.0	29.9	





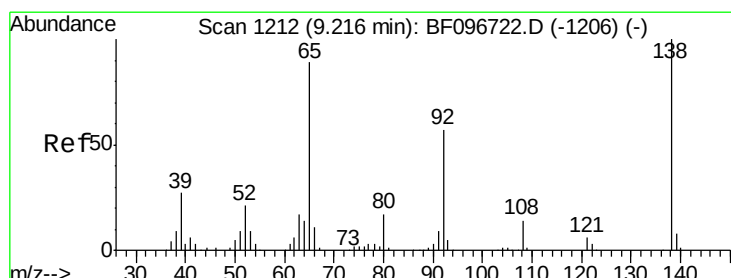
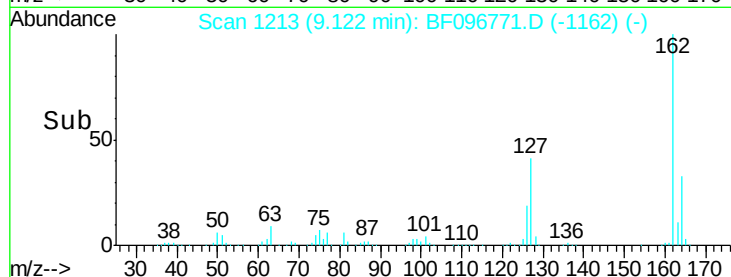
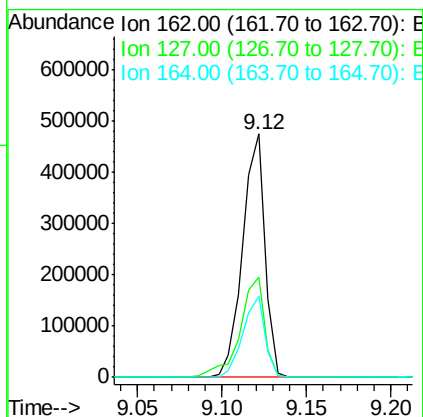
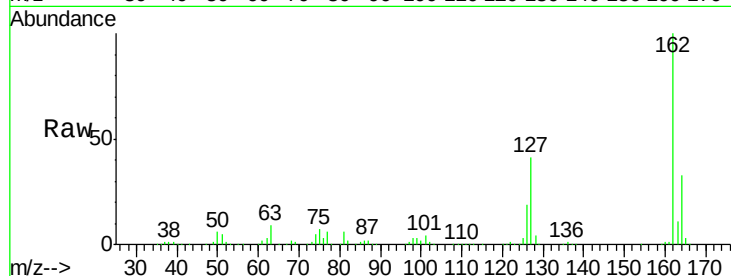
#46
2-Chloronaphthalene
Concen: 32.746 ng
RT: 9.12 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
127	40.9	28.3	42.5
164	33.2	27.0	40.4

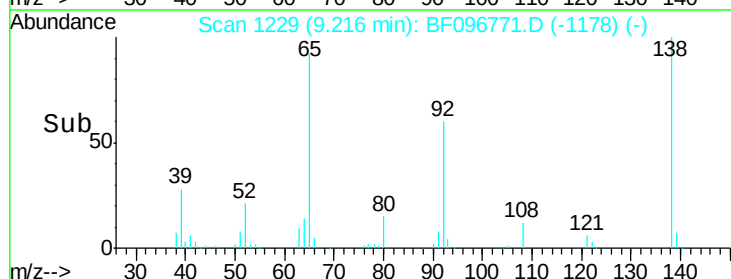
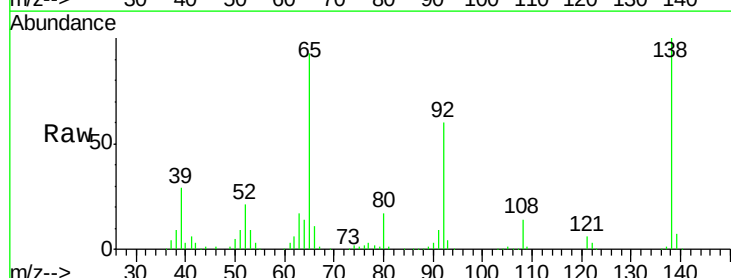
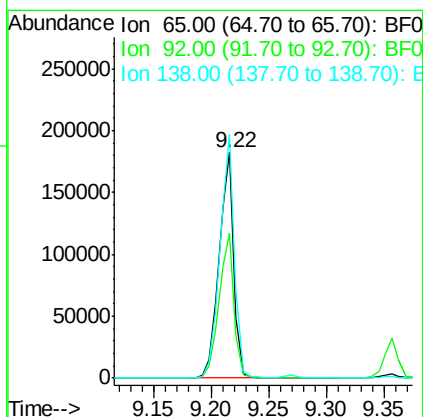
Manual Integrations
APPROVED

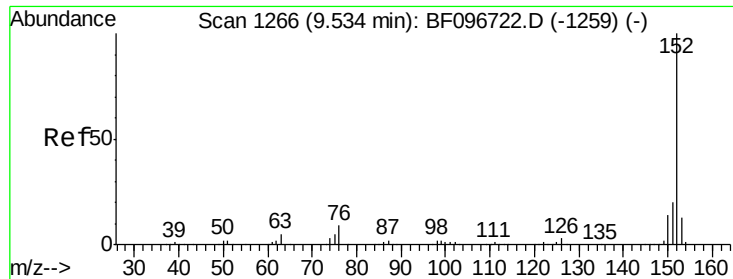
mohammad
7/17/2017 3:56:15 PM



#47
2-Nitroaniline
Concen: 34.939 ng
RT: 9.22 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	64.6	53.9	80.9
138	108.0	78.8	118.2





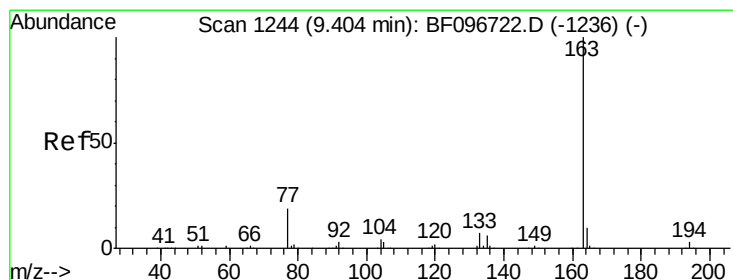
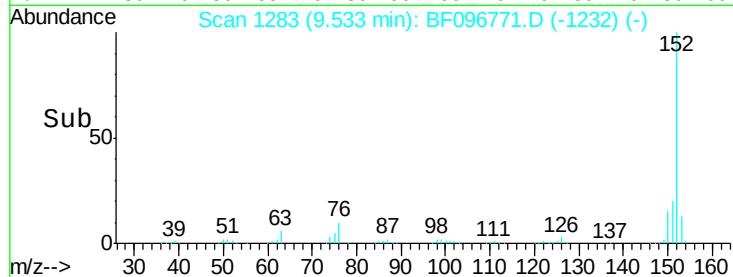
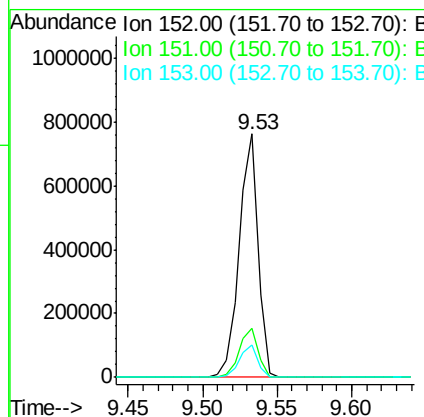
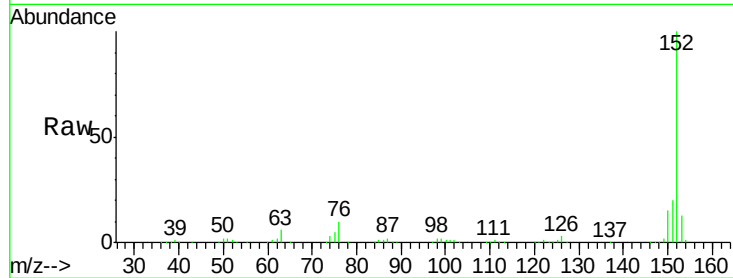
#48
Acenaphthylene
Concen: 31.841 ng
RT: 9.53 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	680183		
151	20.2	16.8	25.2	
153	13.2	10.8	16.2	

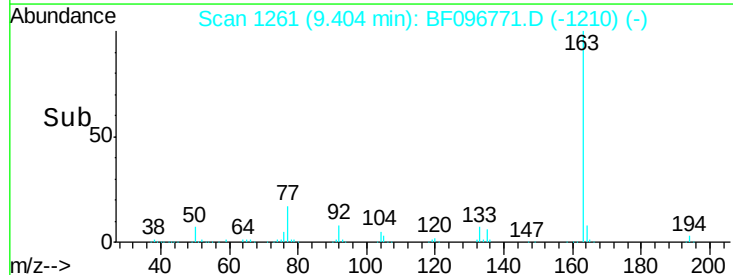
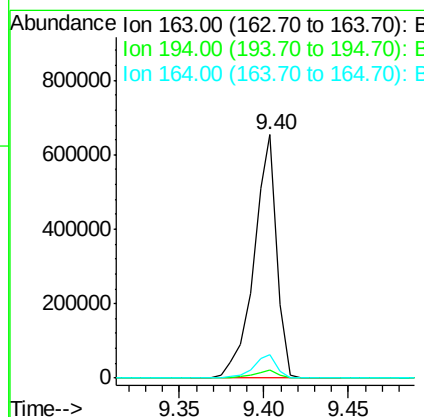
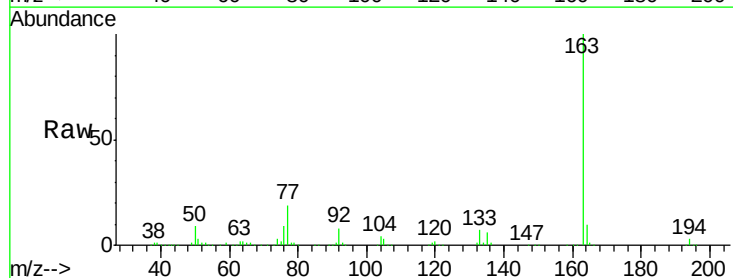
Manual Integrations
APPROVED

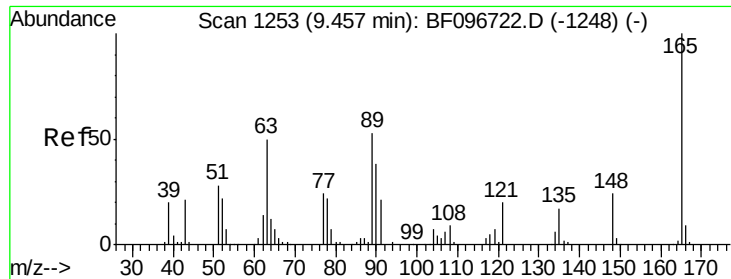
mohammad
7/17/2017 3:56:15 PM



#49
Dimethylphthalate
Concen: 38.415 ng
RT: 9.40 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	614073		
194	3.3	2.6	4.0	
164	9.9	8.4	12.6	





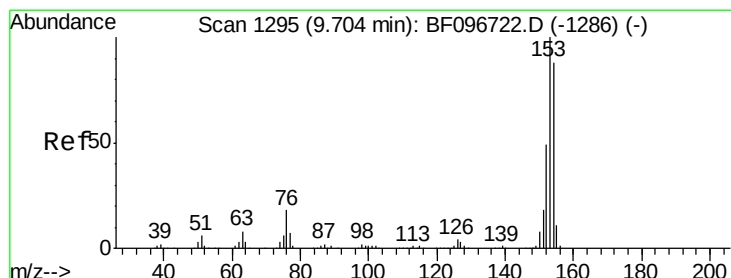
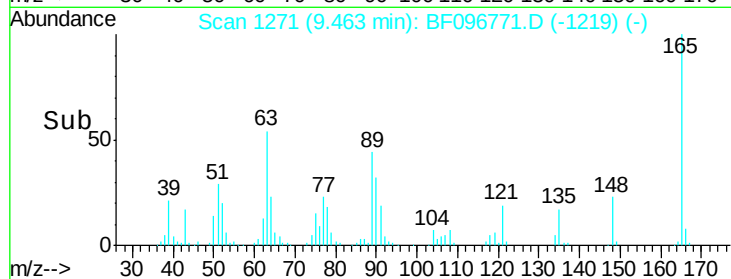
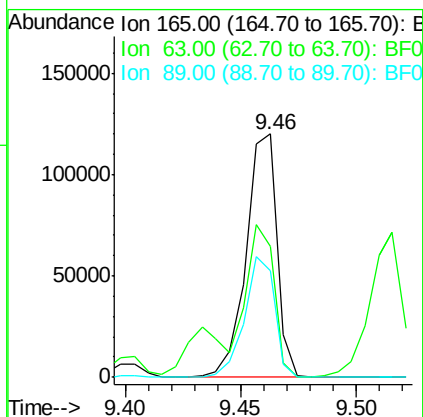
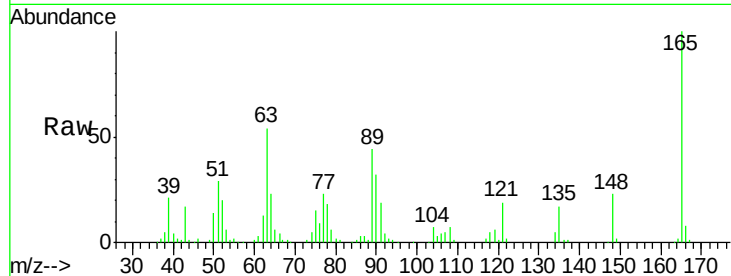
#50
2,6-Dinitrotoluene
Concen: 32.534 ng
RT: 9.46 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	112647		
63	53.7	34.3	51.5#	
89	44.1	37.1	55.7	

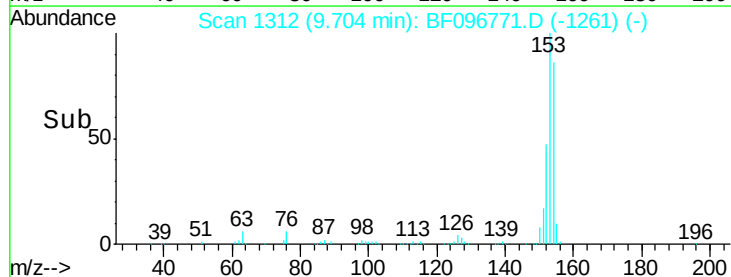
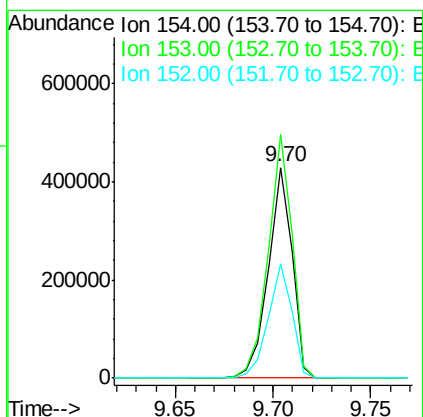
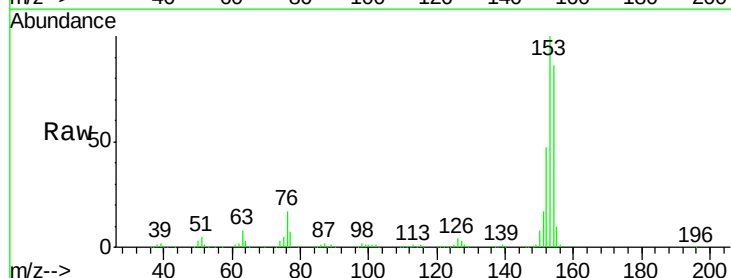
Manual Integrations
APPROVED

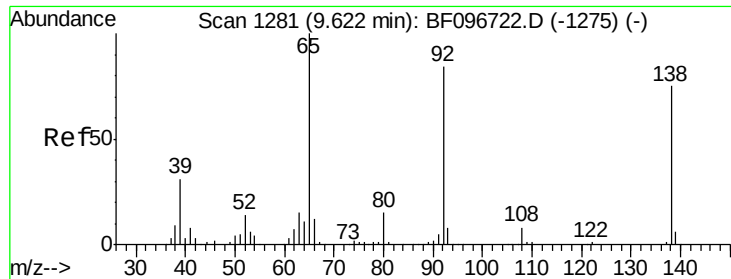
mohammad
7/17/2017 3:56:15 PM



#51
Acenaphthene
Concen: 28.942 ng
RT: 9.70 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	365226		
153	115.7	90.5	135.7	
152	54.5	43.6	65.4	





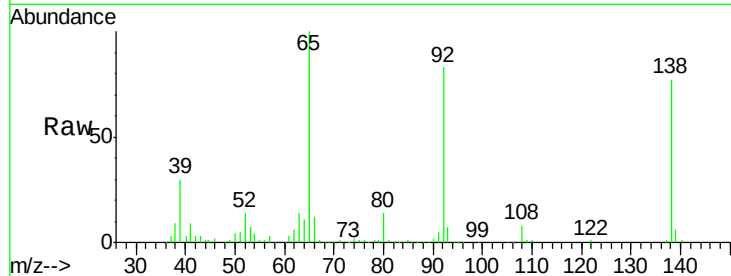
#52
 3-Nitroaniline
 Concen: 28.791 ng
 RT: 9.62 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

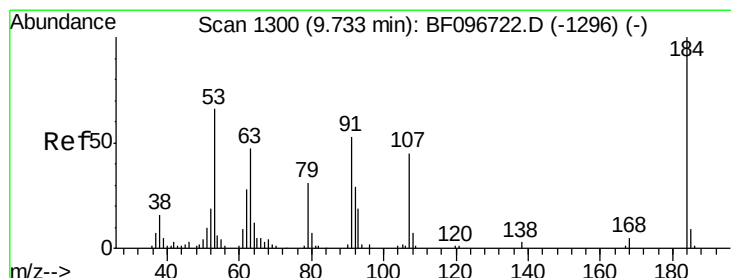
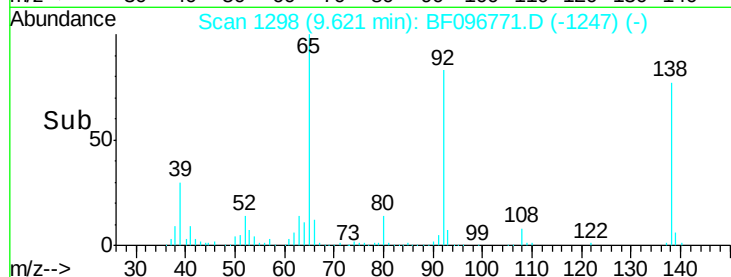
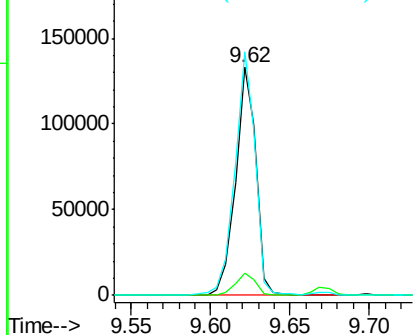
Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.8	9.1	13.7
92	106.9	93.8	140.6

Manual Integrations
 APPROVED

mohammad
 7/17/2017 3:56:15 PM



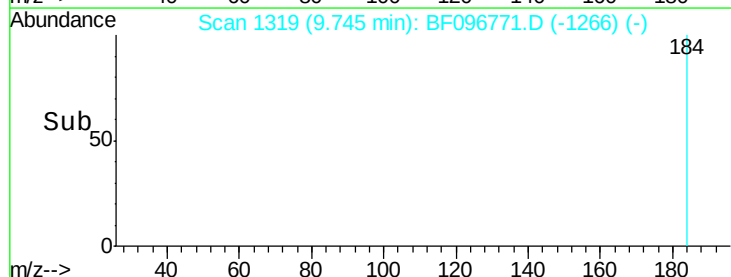
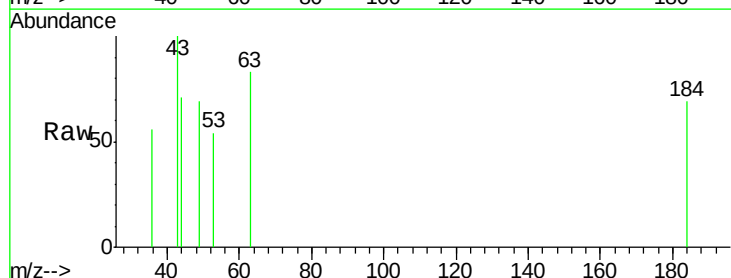
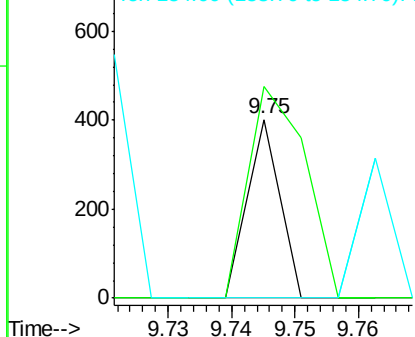
Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF0

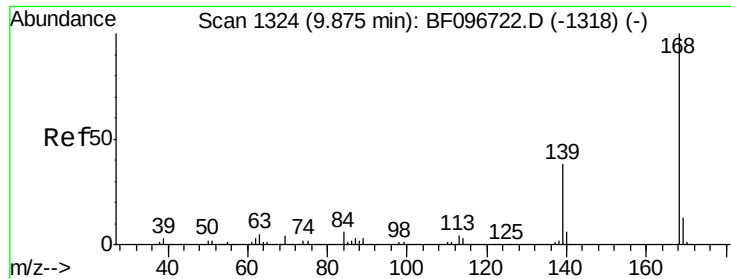


#53
 2,4-Dinitrophenol
 Concen: 6.817 ng
 RT: 9.75 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
184	100		
63	119.0	62.7	94.1#
154	0.0	81.1	121.7#

Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E





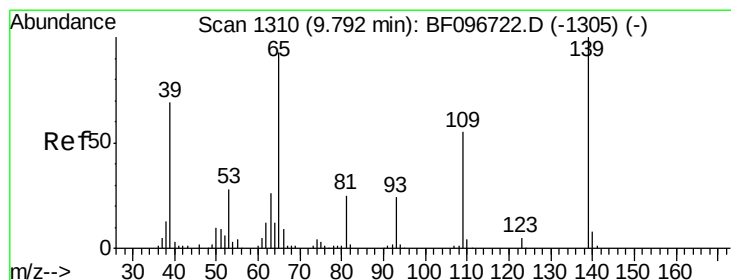
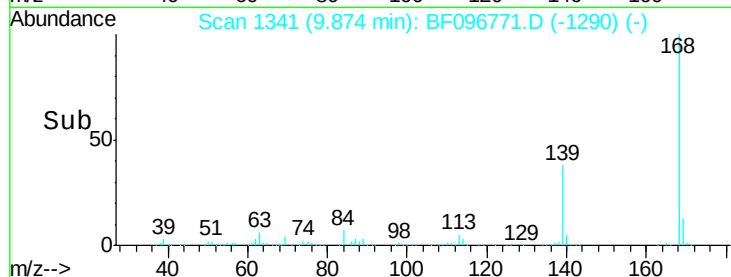
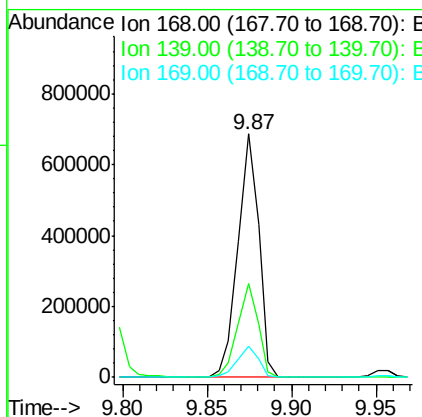
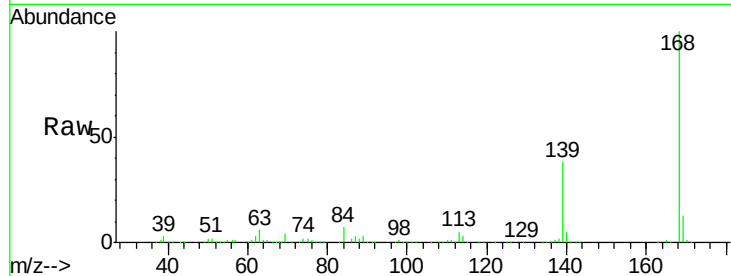
#54
Dibenzenofuran
Concen: 33.481 ng
RT: 9.87 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.6	45.8
169	12.9	10.8	16.2

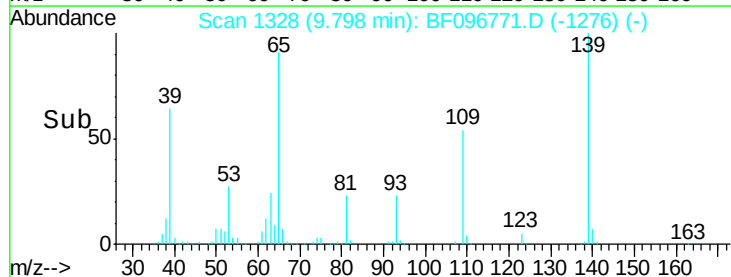
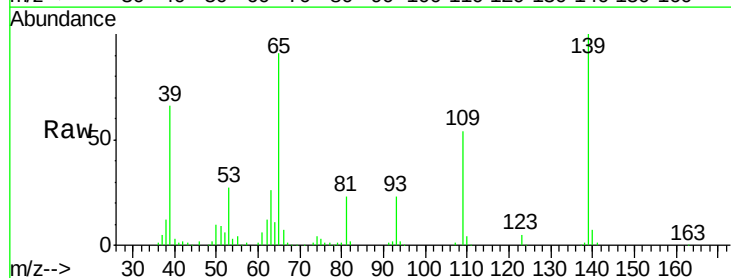
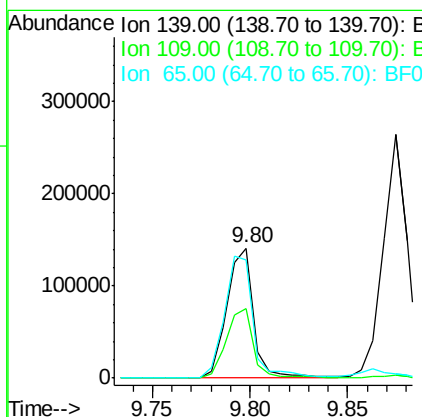
Manual Integrations
APPROVED

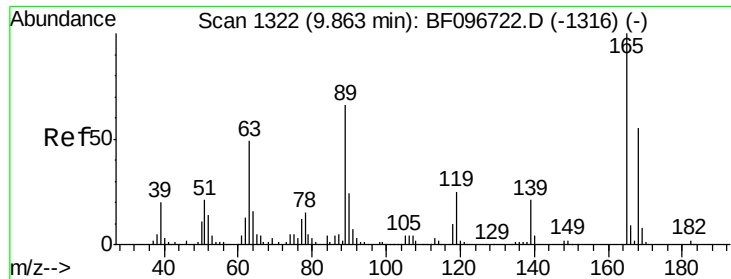
mohammad
7/17/2017 3:56:15 PM



#55
4-Nitrophenol
Concen: 44.801 ng
RT: 9.80 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

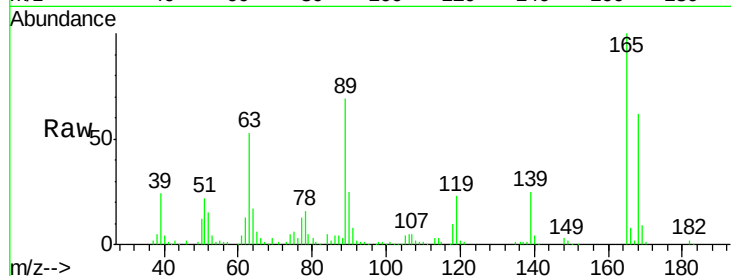
Tgt Ion	Ratio	Lower	Upper
139	100		
109	53.8	34.1	74.1
65	91.1	31.4	71.4#





#56
2,4-Dinitrotoluene
Concen: 30.272 ng
RT: 9.86 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

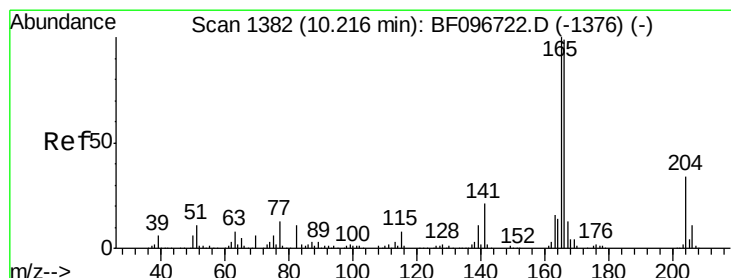
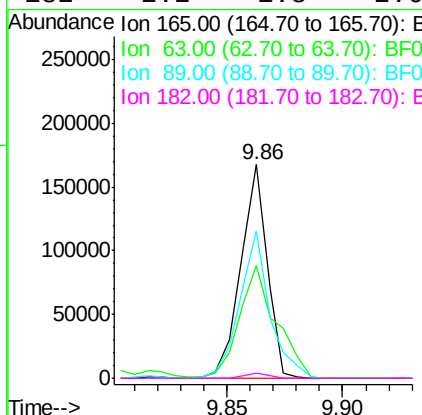
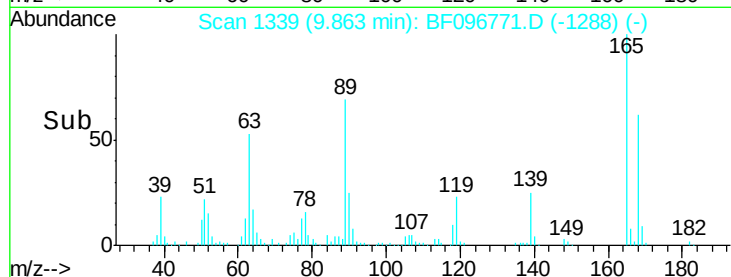
Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS



Tgt Ion	Ratio	Resp	Lower	Upper
165	100	134687		
63	52.7	25.4	38.0	#
89	69.2	46.4	69.6	
182	2.2	1.8	2.6	

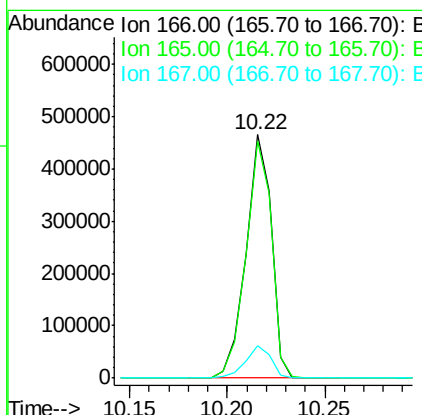
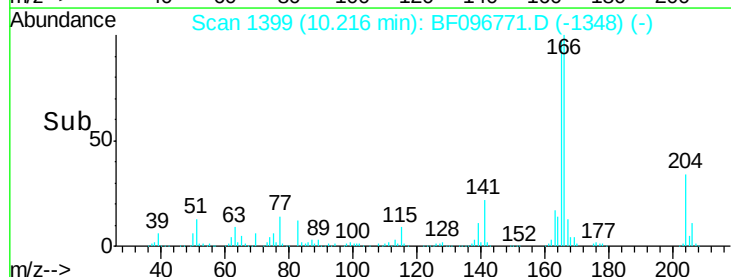
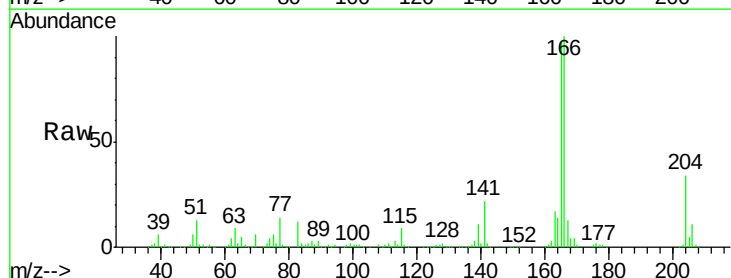
Manual Integrations
APPROVED

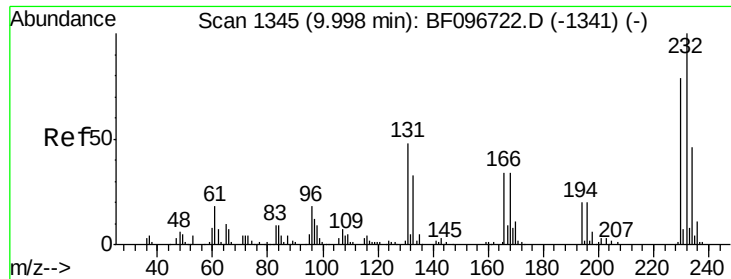
mohammad
7/17/2017 3:56:15 PM



#57
Fluorene
Concen: 32.170 ng
RT: 10.22 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	420388		
165	97.5	78.8	118.2	
167	13.2	10.6	16.0	





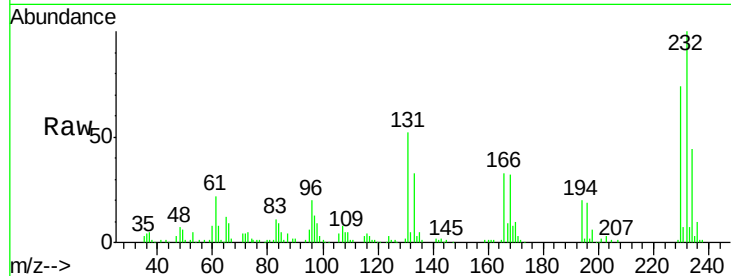
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 24.765 ng
 RT: 10.00 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

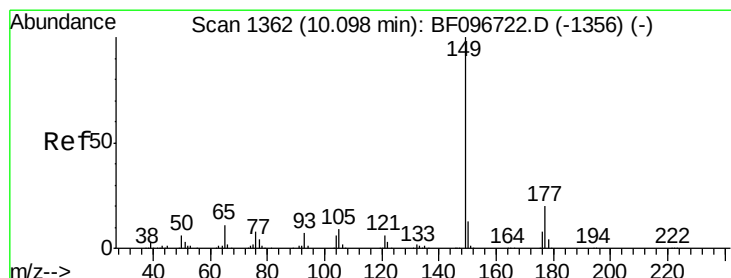
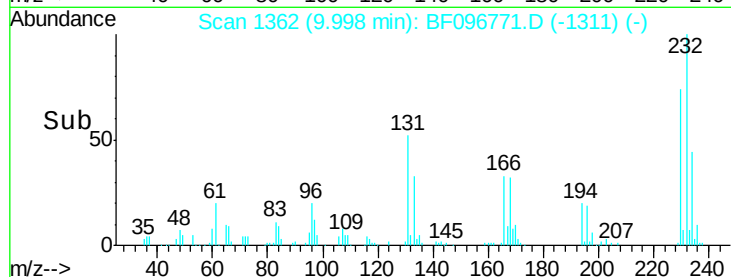
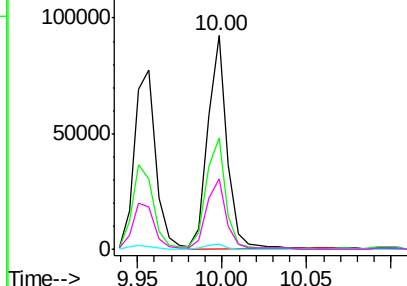
Tgt Ion	Ratio	Lower	Upper
232	100		
131	53.9	44.8	67.2
130	2.4	2.3	3.5
166	33.9	29.0	43.4

Manual Integrations
 APPROVED

mohammad
 7/17/2017 3:56:15 PM



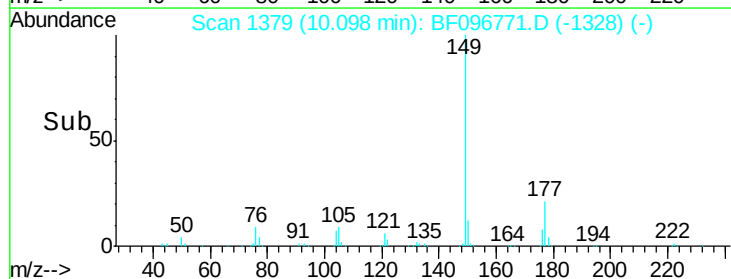
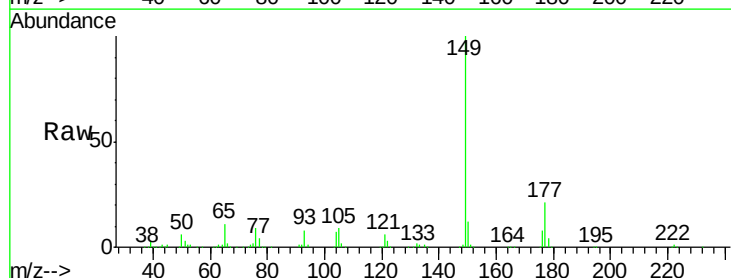
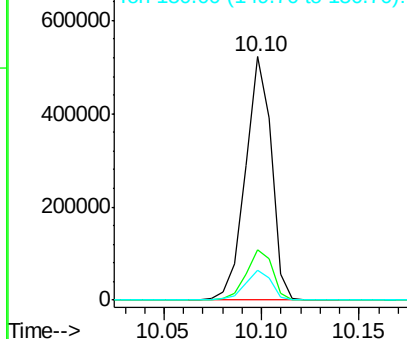
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

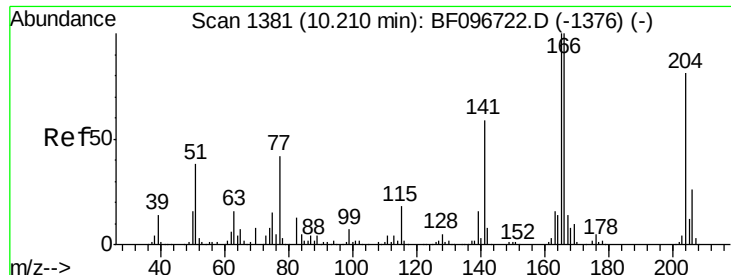


#59
 Diethylphthalate
 Concen: 30.875 ng
 RT: 10.10 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	12.5	10.2	15.2

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





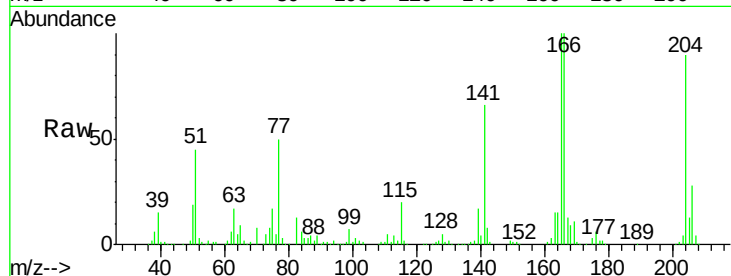
#60
4-Chlorophenyl-phenylether
Concen: 30.374 ng
RT: 10.21 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

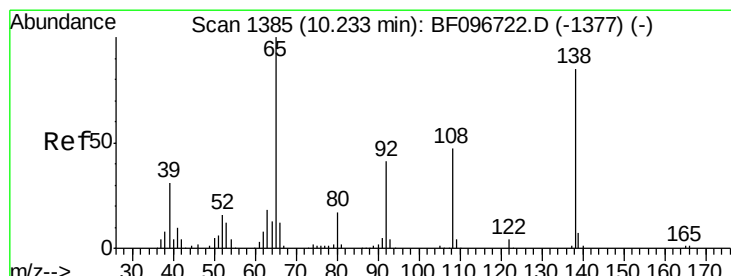
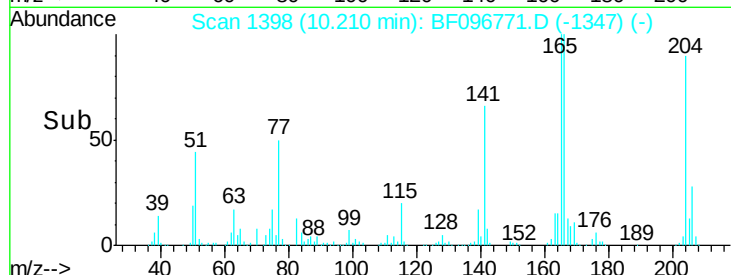
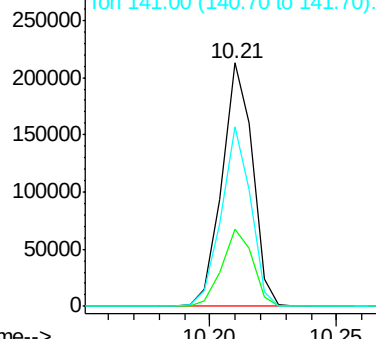
Tgt Ion: 204 Resp: 179373
Ion Ratio Lower Upper
204 100
206 31.6 26.2 39.2
141 73.6 60.8 91.2

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM

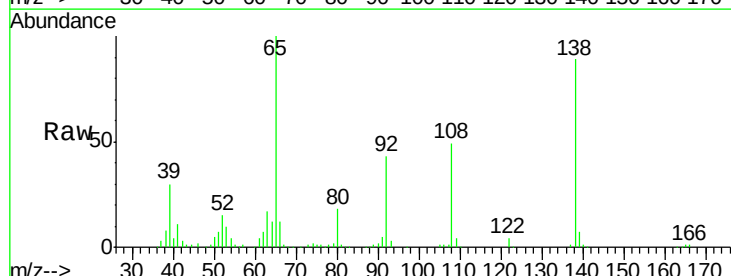


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

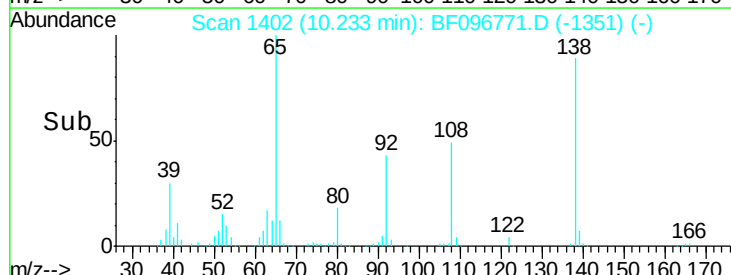
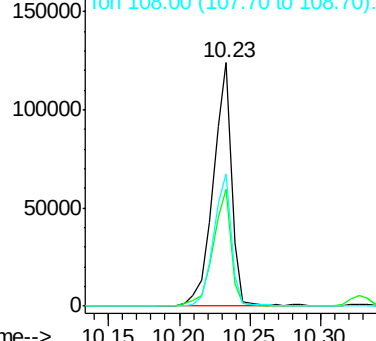


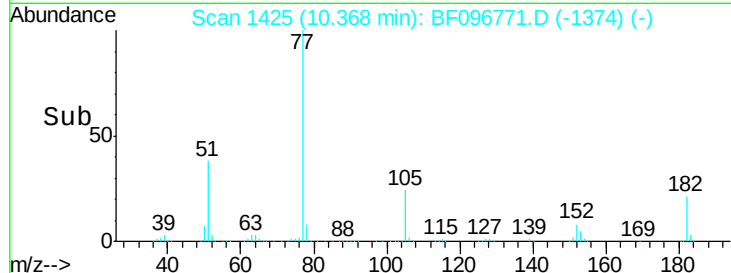
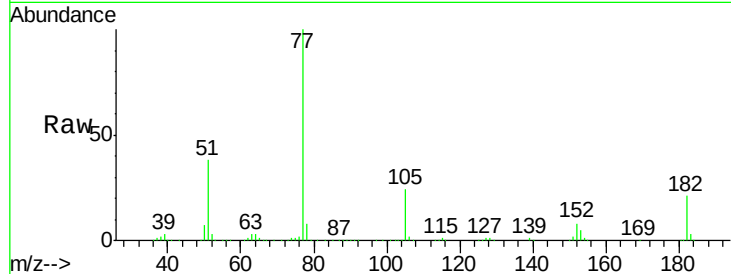
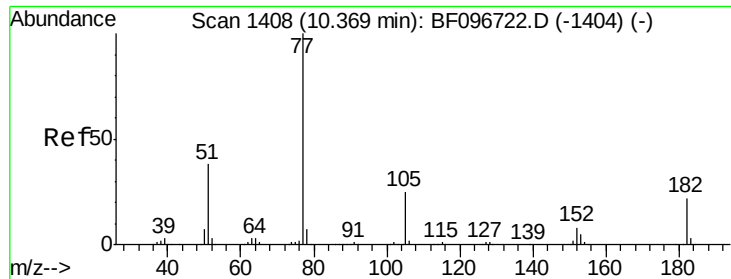
#61
4-Nitroaniline
Concen: 29.224 ng
RT: 10.23 min Scan# 1402
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion: 138 Resp: 112564
Ion Ratio Lower Upper
138 100
92 48.0 21.8 61.8
108 54.4 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E





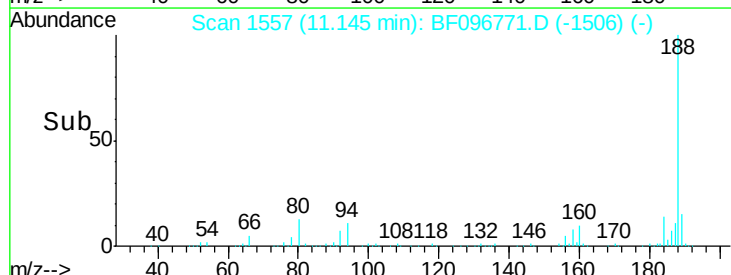
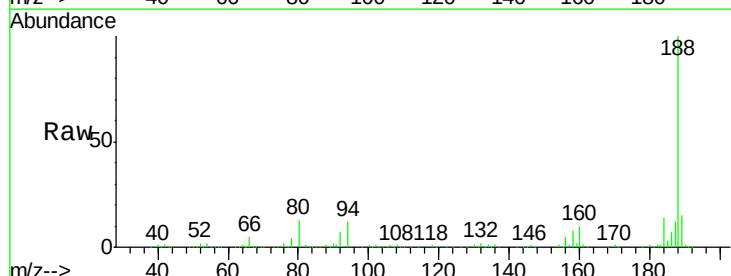
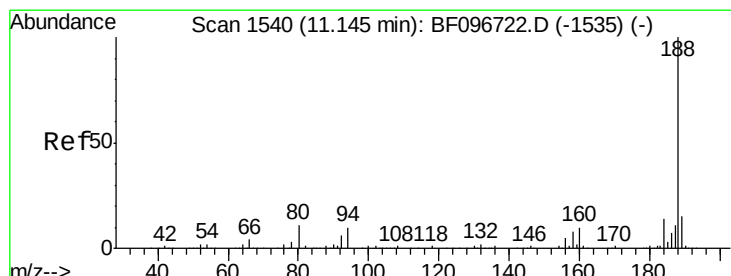
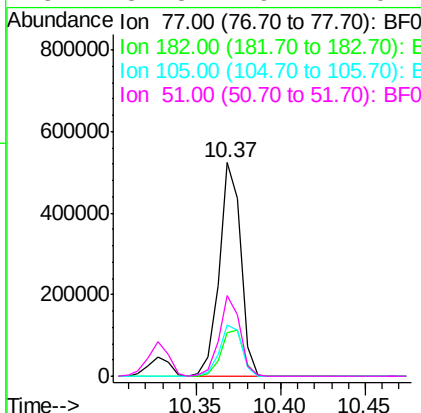
#62
Azobenzene
Concen: 33.851 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	464716		
182	20.7	0.1	40.1	
105	23.9	3.6	43.6	
51	37.8	9.4	49.4	

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

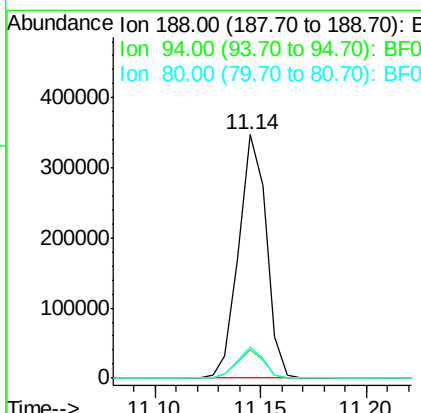
Manual Integrations
APPROVED

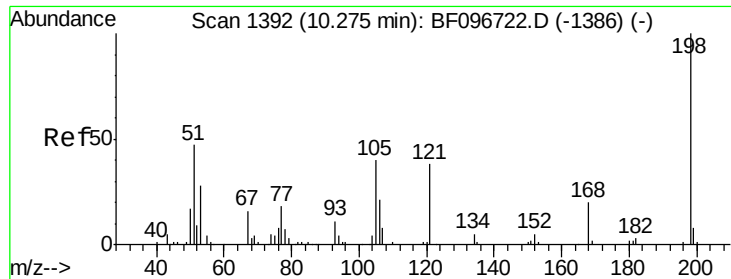
mohammad
7/17/2017 3:56:15 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.14 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	314971		
94	11.9	9.4	14.2	
80	12.6	10.2	15.2	





#64

4,6-Dinitro-2-methylphenol

Concen: 2.377 ng

RT: 10.27 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

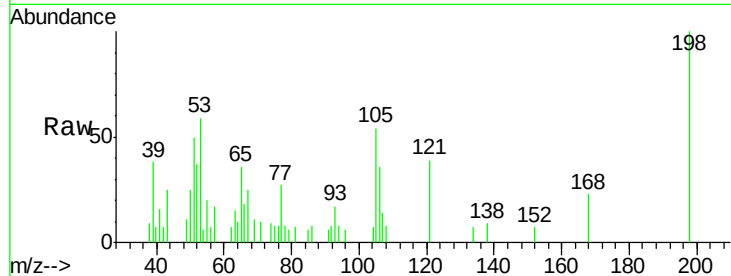
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
198	100		
51	50.1	53.2	93.2#
105	54.4	45.8	85.8

Manual Integrations
APPROVED

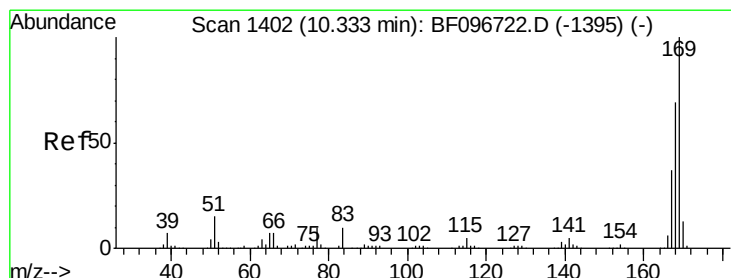
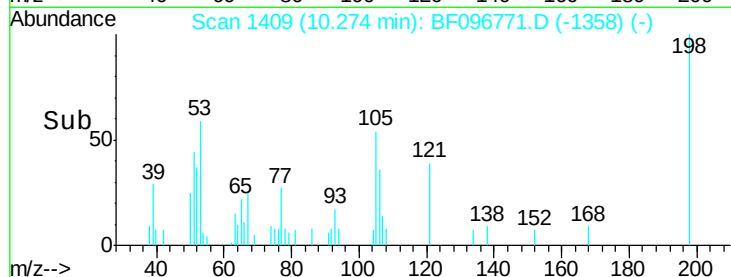
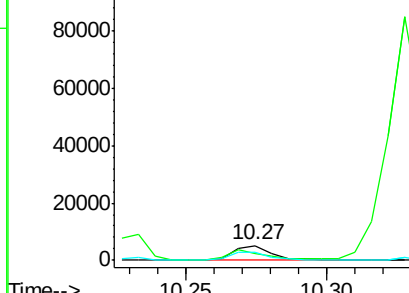
mohammad
7/17/2017 3:56:15 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 34.955 ng

RT: 10.33 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF096771.D

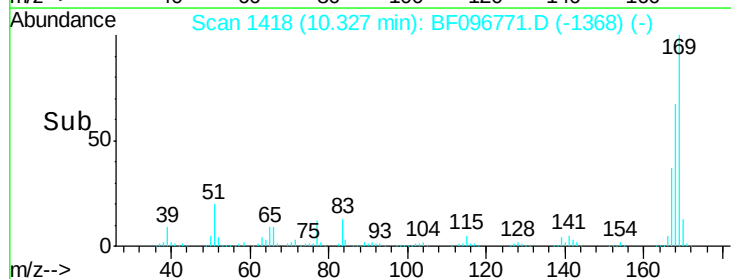
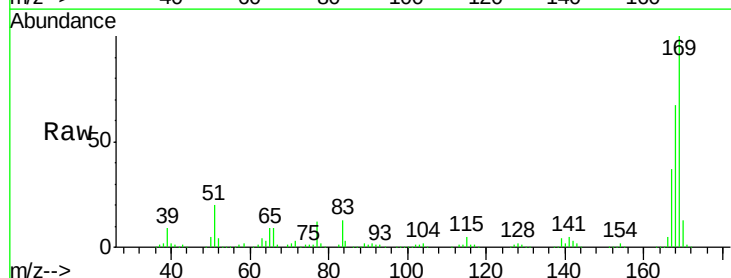
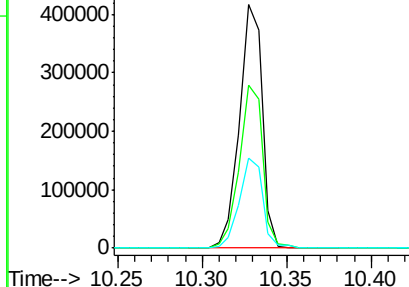
Acq: 14 Jul 2017 13:09

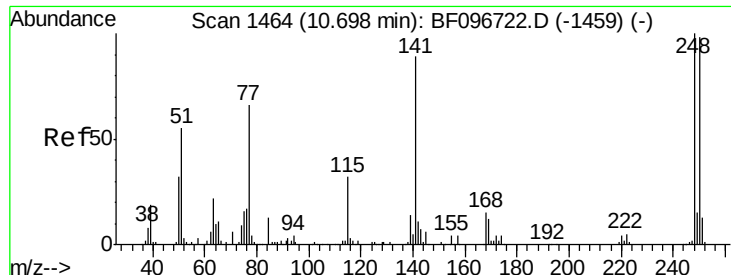
Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	36.9	29.5	44.3

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





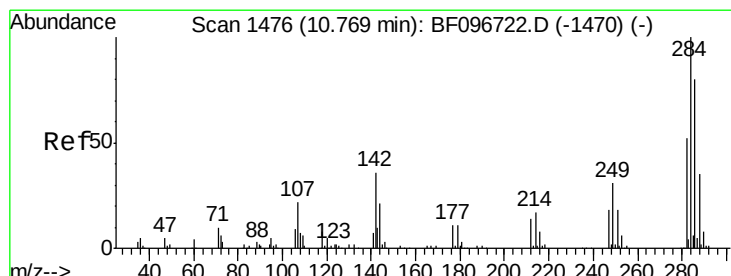
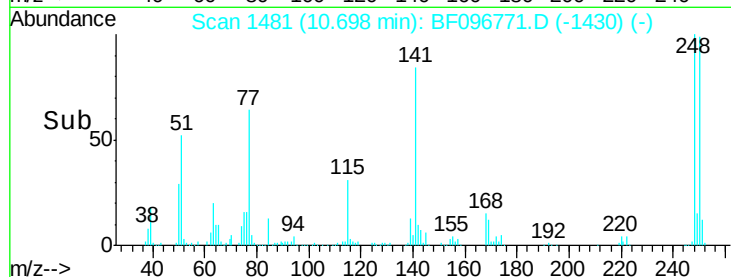
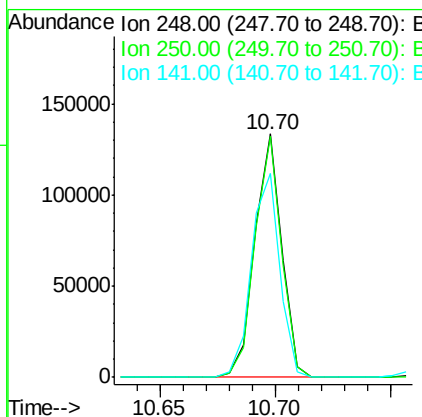
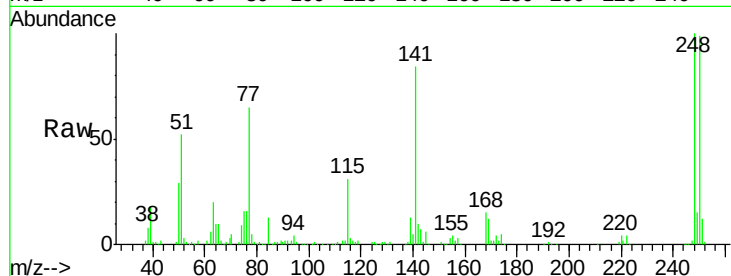
#66
4-Bromophenyl-phenylether
Concen: 33.923 ng
RT: 10.70 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	76.8	115.2
141	83.9	68.6	103.0

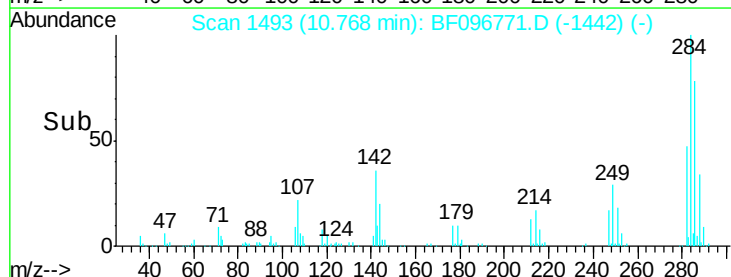
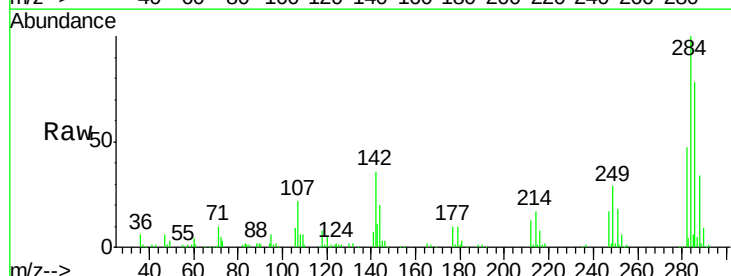
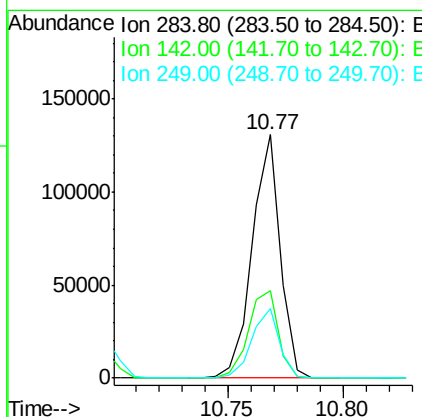
Manual Integrations
APPROVED

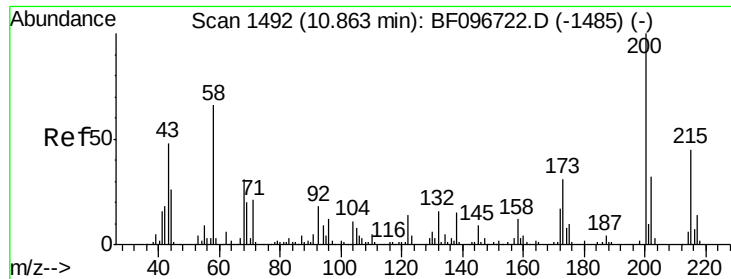
mohammad
7/17/2017 3:56:15 PM



#67
Hexachlorobenzene
Concen: 30.967 ng
RT: 10.77 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.2	22.8	34.2#
249	28.6	24.0	36.0





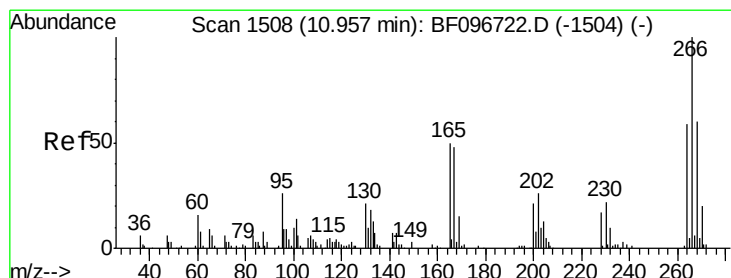
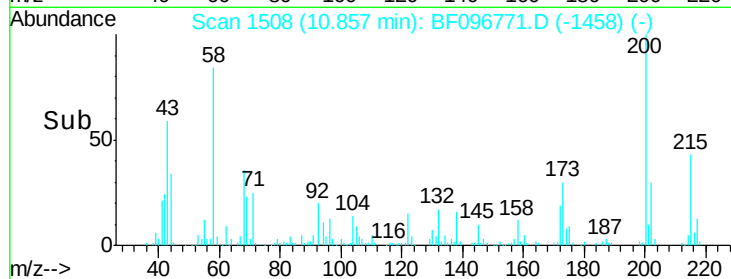
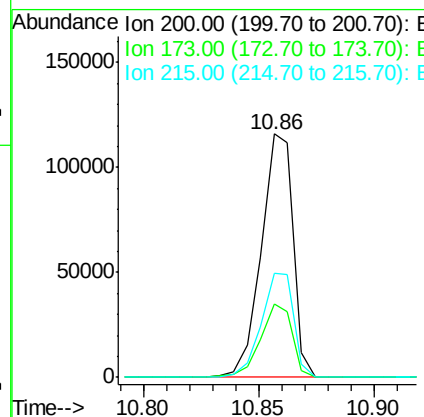
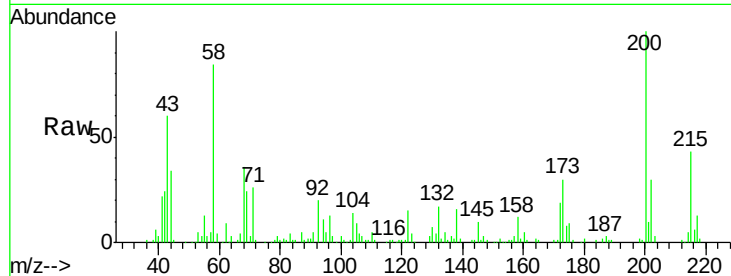
#68
 Atrazine
 Concen: 34.737 ng
 RT: 10.86 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	30.3	6.3	46.3
215	42.6	27.2	67.2

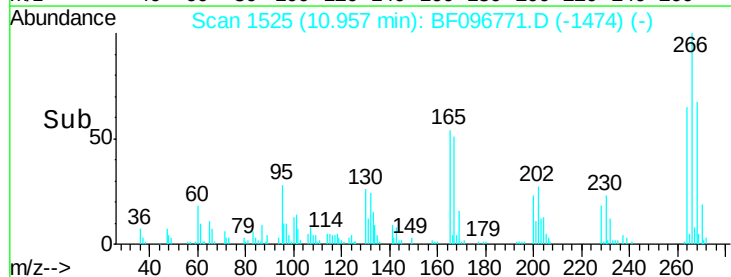
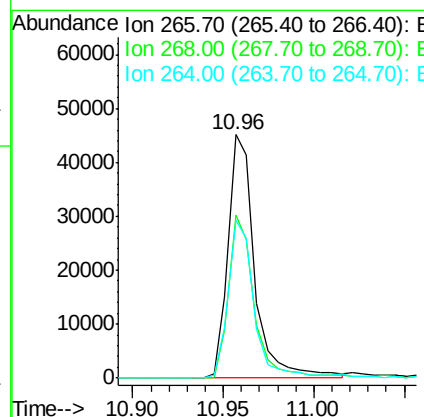
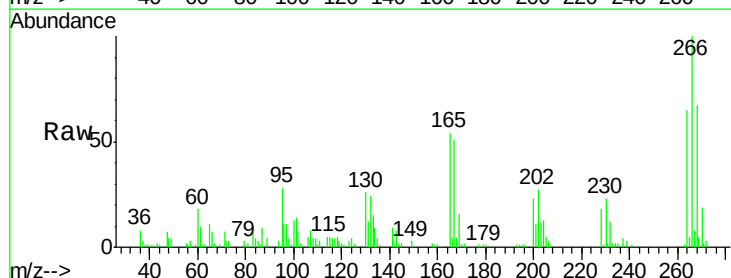
Manual Integrations
 APPROVED

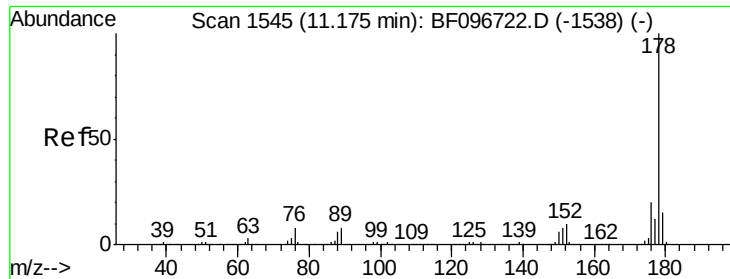
mohammad
 7/17/2017 3:56:15 PM



#69
 Pentachlorophenol
 Concen: 26.811 ng
 RT: 10.96 min Scan# 1525
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	66.9	51.1	76.7
264	64.8	51.7	77.5





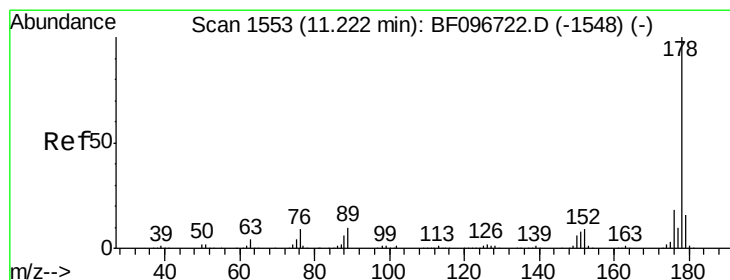
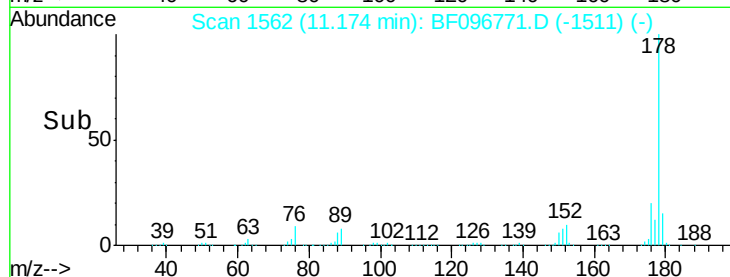
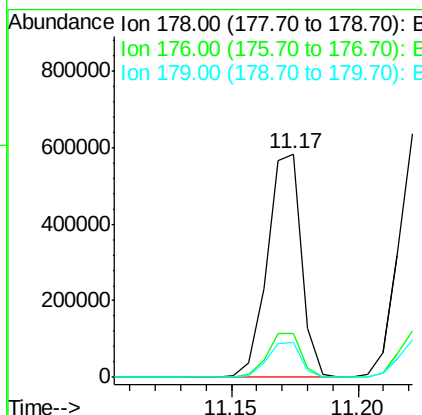
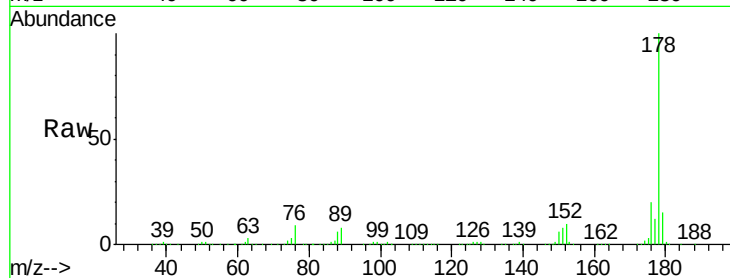
#70
 Phenanthrene
 Concen: 32.196 ng
 RT: 11.17 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.5	12.6	19.0

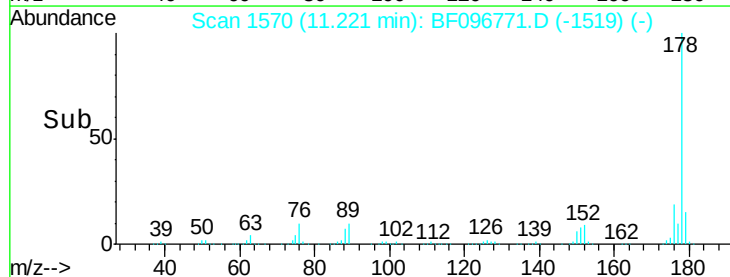
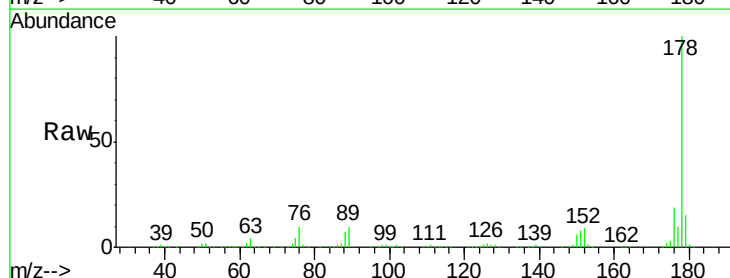
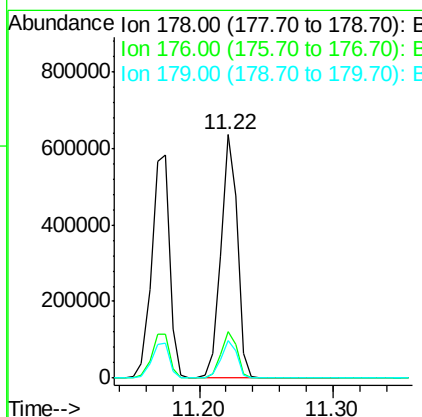
Manual Integrations
 APPROVED

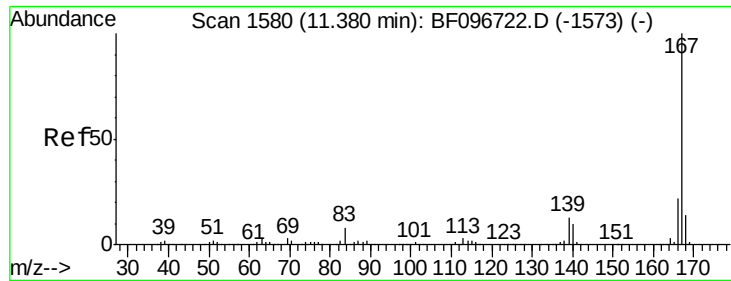
mohammad
 7/17/2017 3:56:15 PM



#71
 Anthracene
 Concen: 32.178 ng
 RT: 11.22 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	12.7	19.1





#72

Carbazole

Concen: 29.889 ng

RT: 11.38 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

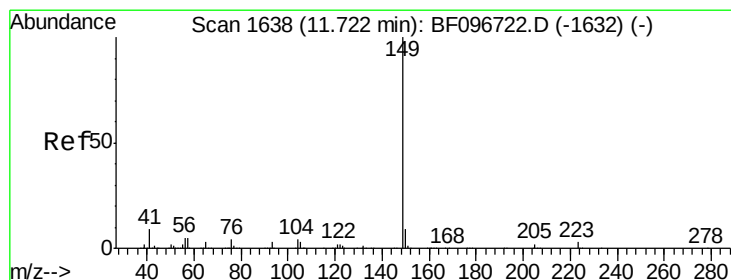
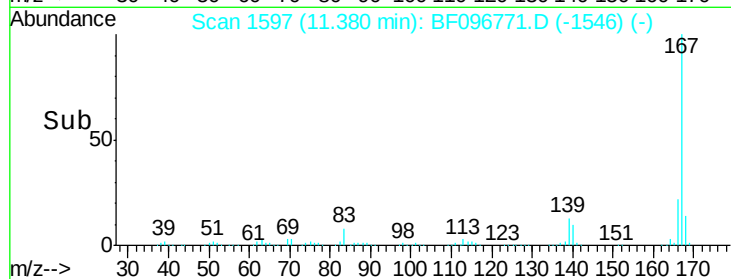
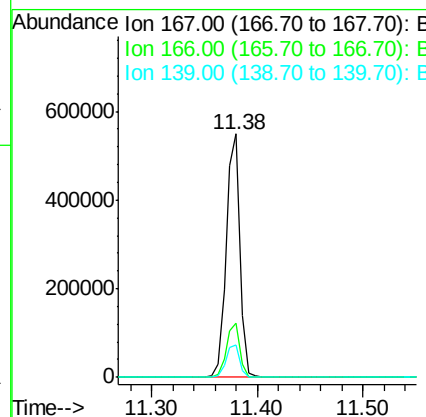
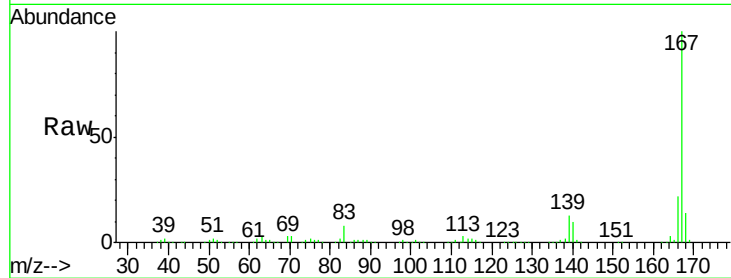
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt	Ion	167	Resp:	501192
Ion	Ratio	Lower	Upper	
167	100			
166	22.2	18.1	27.1	
139	13.2	11.7	17.5	

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#73

Di-n-butylphthalate

Concen: 32.085 ng

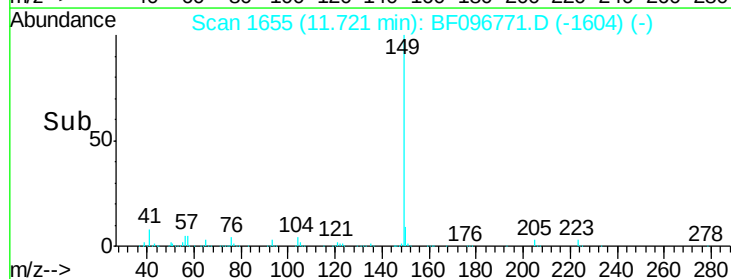
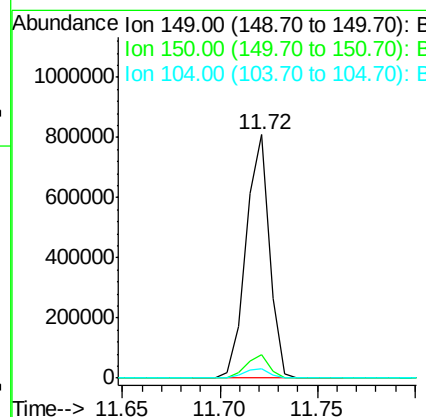
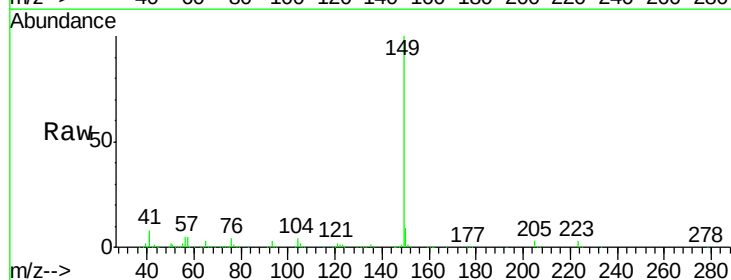
RT: 11.72 min Scan# 1655

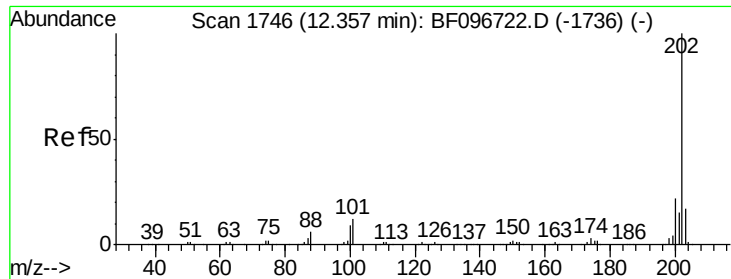
Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt	Ion	149	Resp:	670036
Ion	Ratio	Lower	Upper	
149	100			
150	9.4	7.7	11.5	
104	4.0	4.0	6.0	





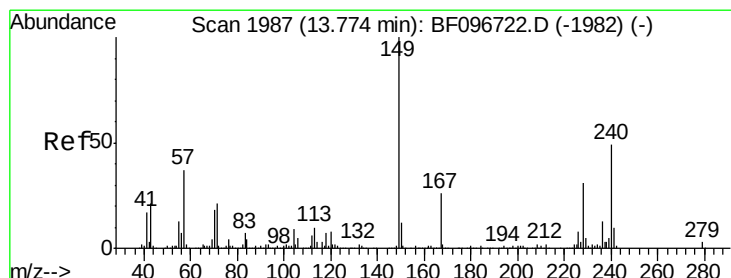
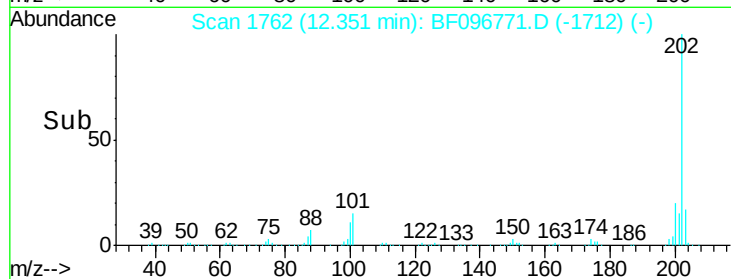
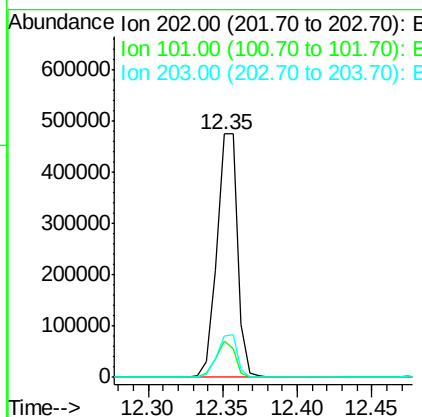
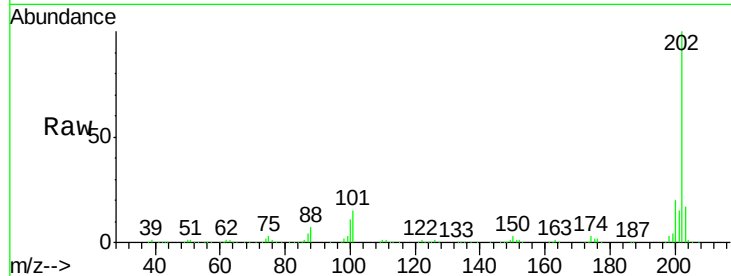
#74
Fluoranthene
Concen: 28.197 ng
RT: 12.35 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.1	0.0	33.2
203	16.9	0.0	38.1

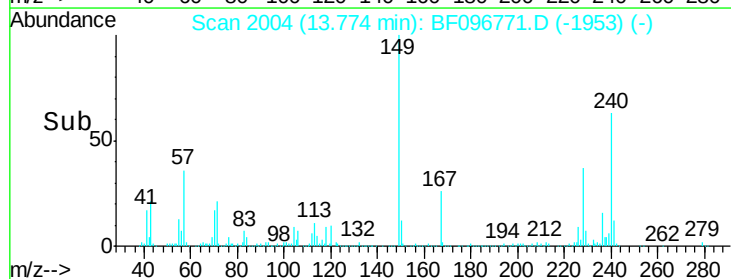
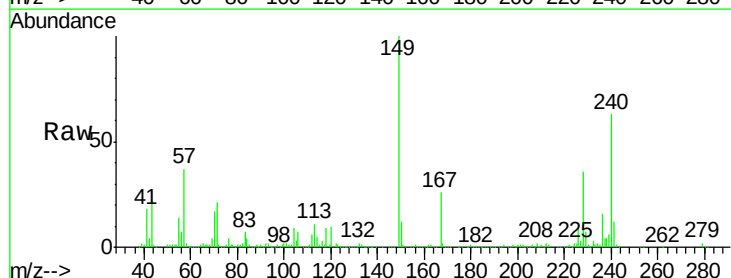
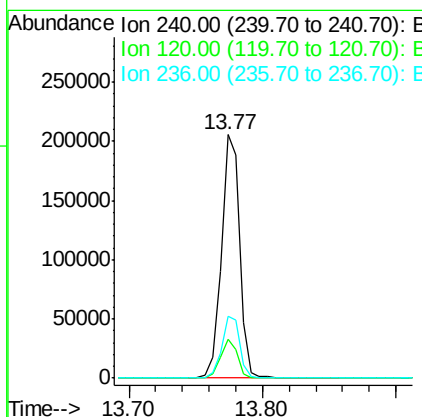
Manual Integrations
APPROVED

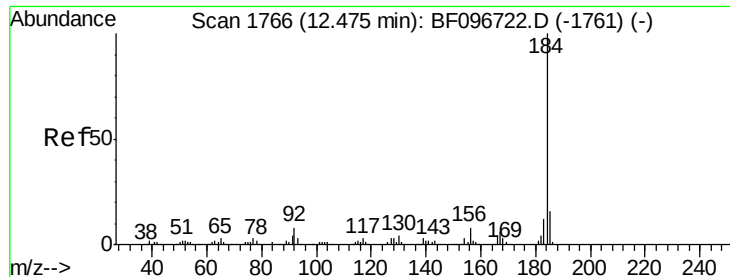
mohammad
7/17/2017 3:56:15 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.1	5.8	8.8#
236	25.4	20.5	30.7





#76

Benzidine

Concen: 34.753 ng

RT: 12.47 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion:184 Resp: 226228
Ion Ratio Lower Upper

184 100

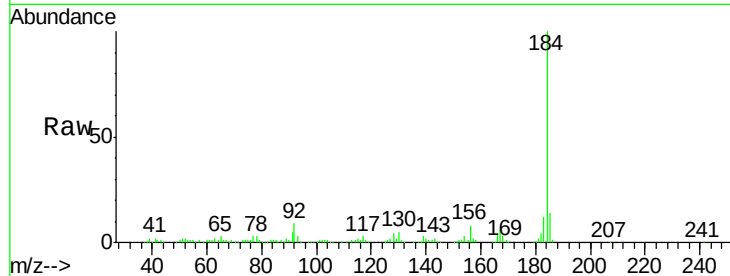
185 14.3 15.5 23.3#

183 12.0 9.8 14.6

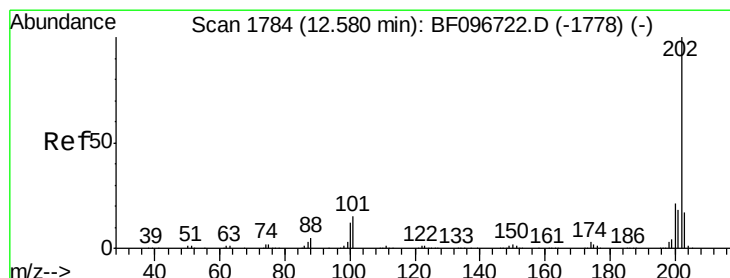
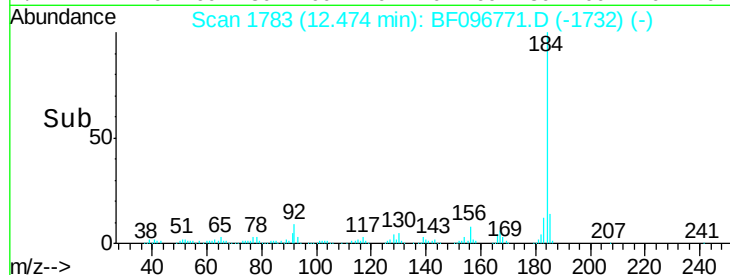
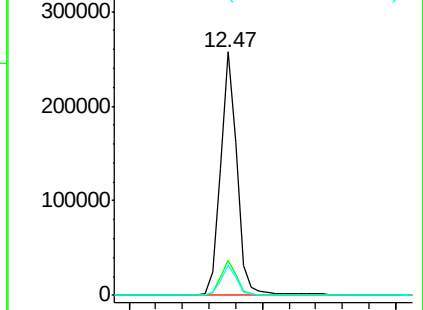
Manual Integrations
APPROVED

mohammad

7/17/2017 3:56:15 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



#77

Pyrene

Concen: 25.361 ng

RT: 12.58 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF096771.D

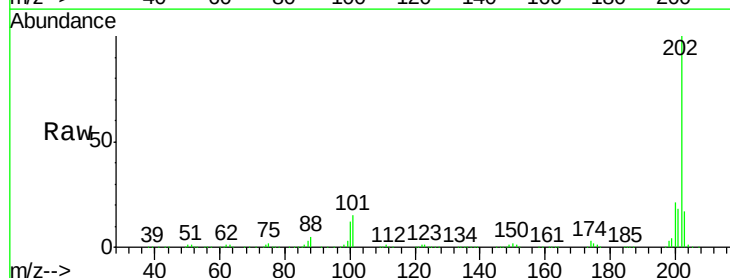
Acq: 14 Jul 2017 13:09

Tgt Ion:202 Resp: 457338
Ion Ratio Lower Upper

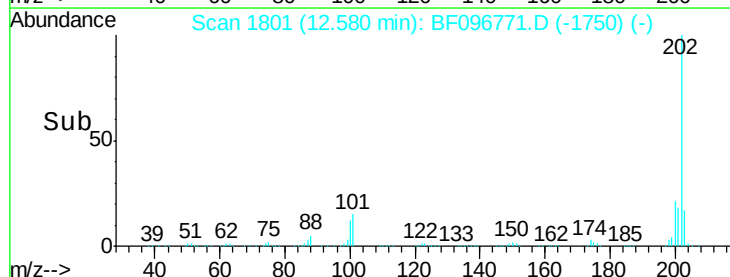
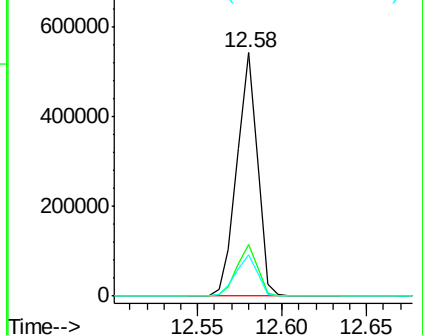
202 100

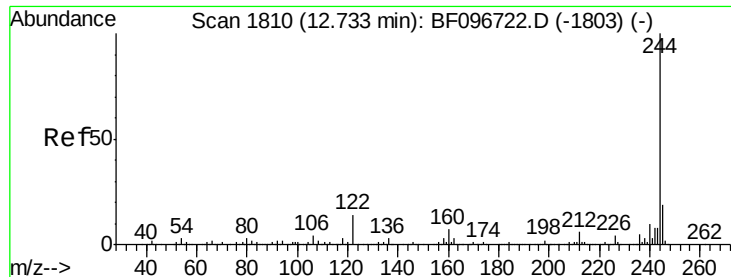
200 21.1 17.6 26.4

203 17.2 14.4 21.6



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





#78

Terphenyl-d14

Concen: 44.117 ng

RT: 12.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

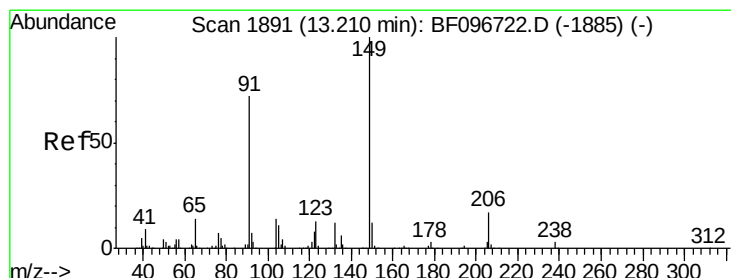
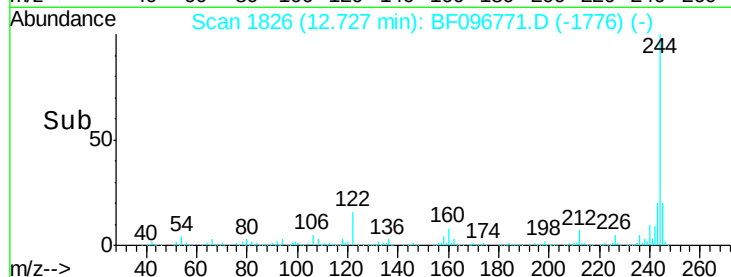
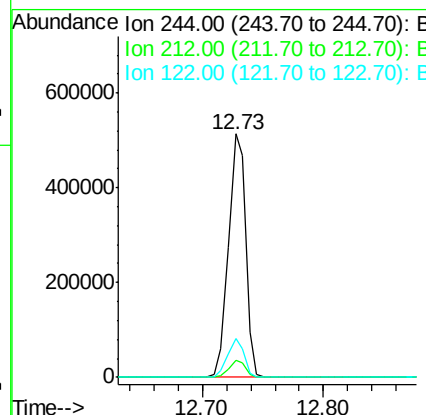
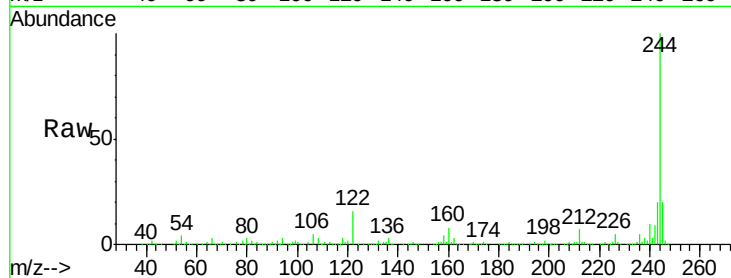
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.8		6.0	9.0	
122	16.1		10.3	15.5	

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#79

Butylbenzylphthalate

Concen: 52.144 ng

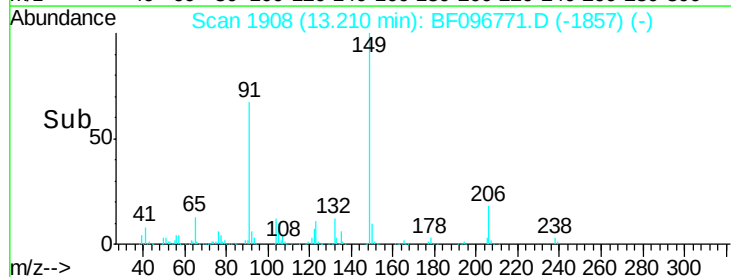
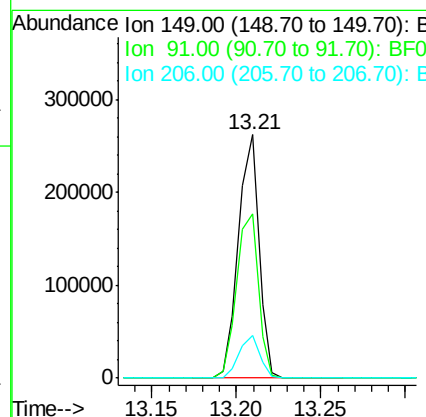
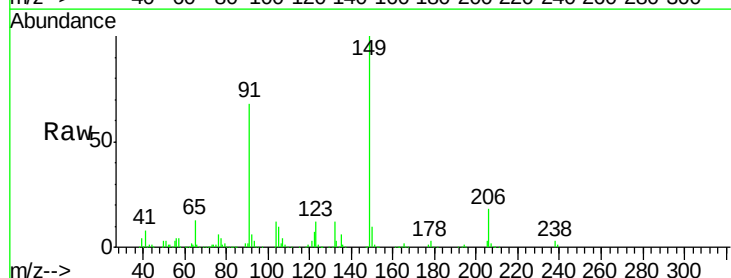
RT: 13.21 min Scan# 1908

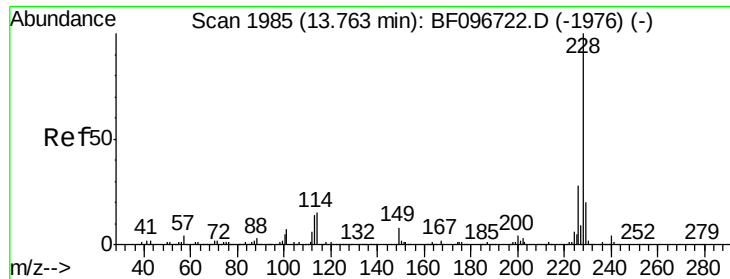
Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt	Ion	Ratio	Resp	Lower	Upper
149	100				
91	67.6		45.0	67.4	
206	17.6		17.0	25.6	





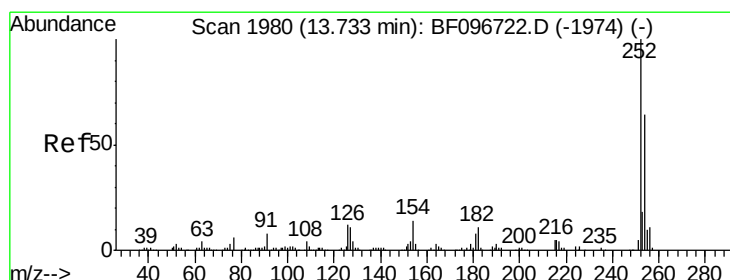
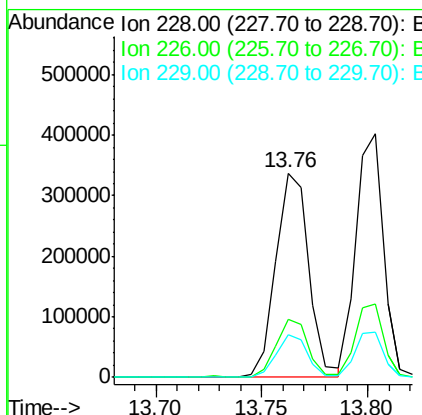
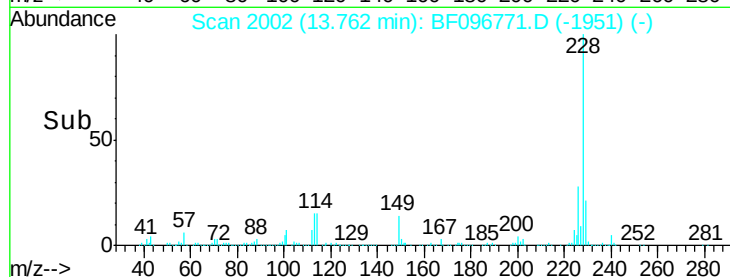
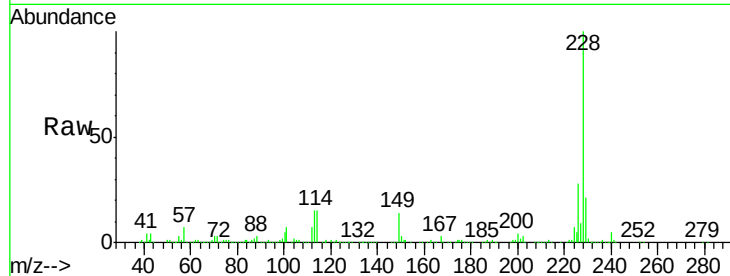
#80
Benzo(a)anthracene
Concen: 29.702 ng
RT: 13.76 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.7	16.3	24.5

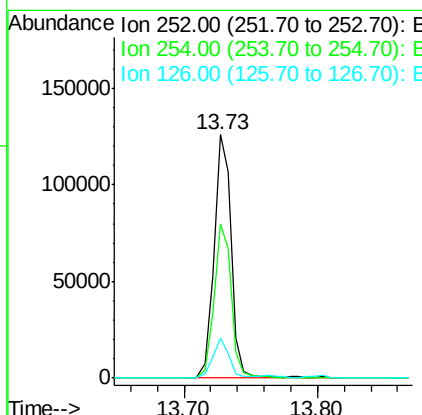
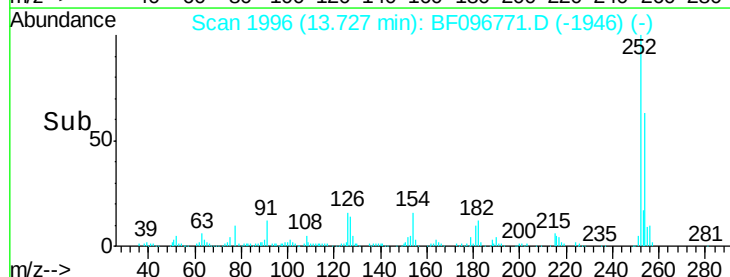
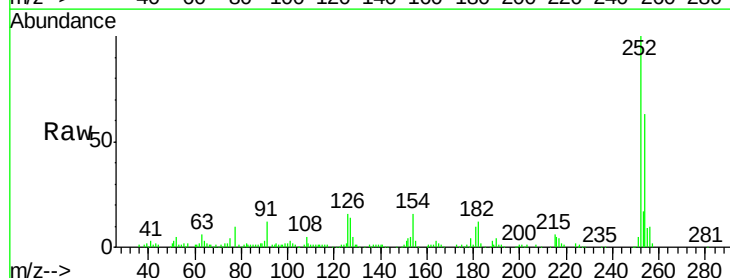
Manual Integrations
APPROVED

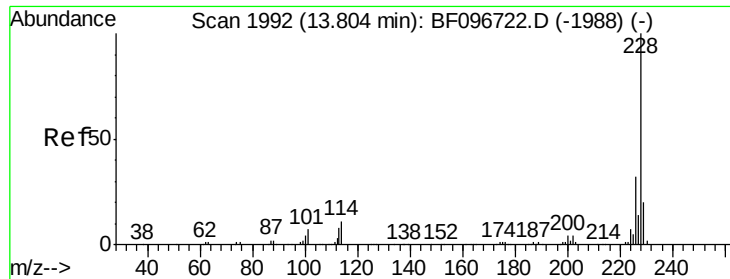
mohammad
7/17/2017 3:56:15 PM



#81
3,3'-Dichlorobenzidine
Concen: 25.799 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	16.4	15.8	23.8





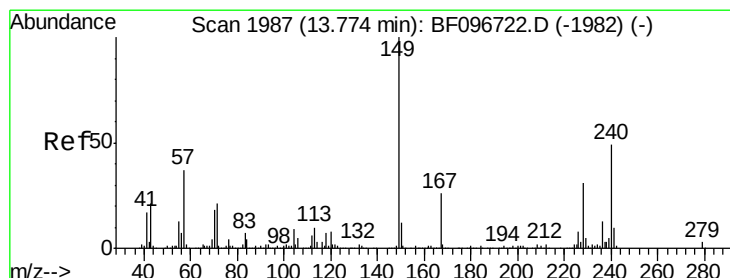
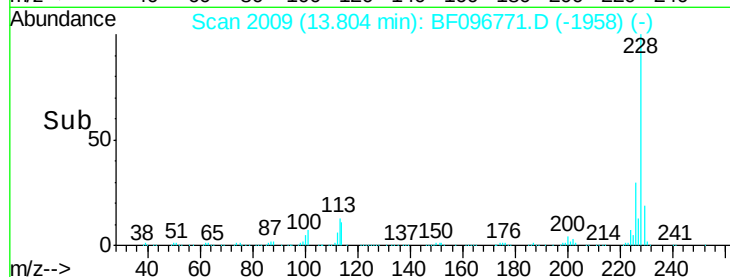
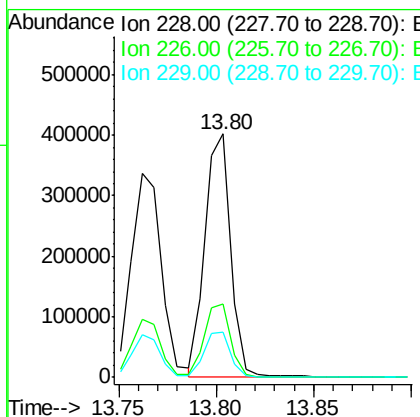
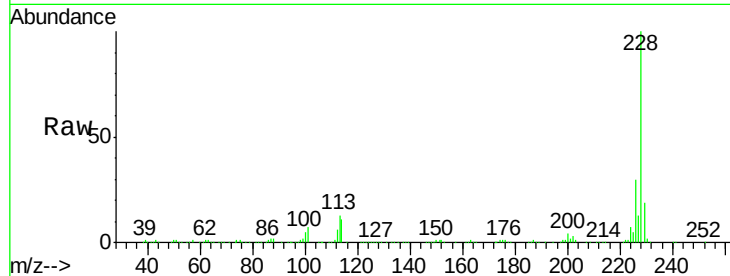
#82
Chrysene
 Concen: 30.140 ng
 RT: 13.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	18.8	15.8	23.6

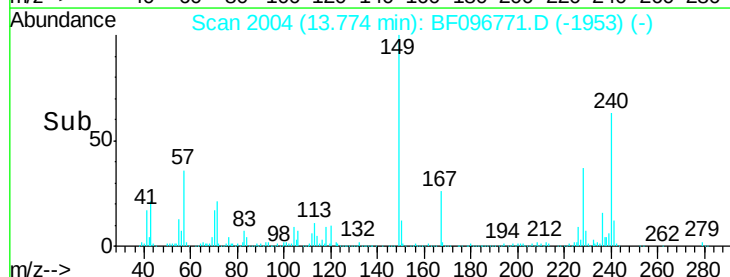
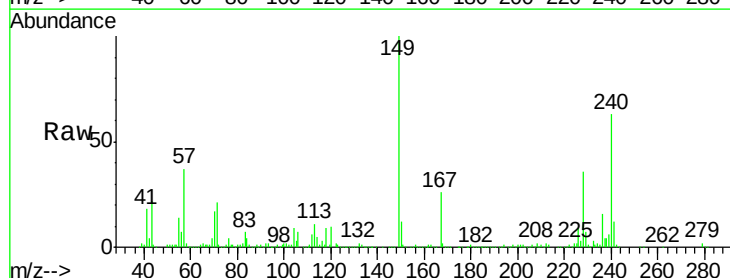
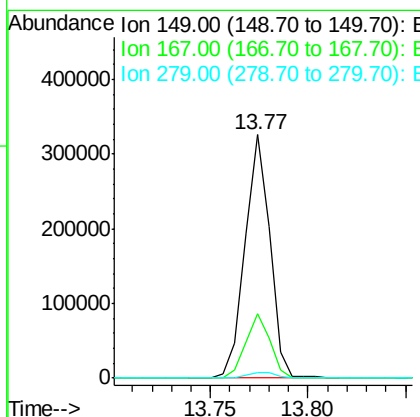
Manual Integrations
 APPROVED

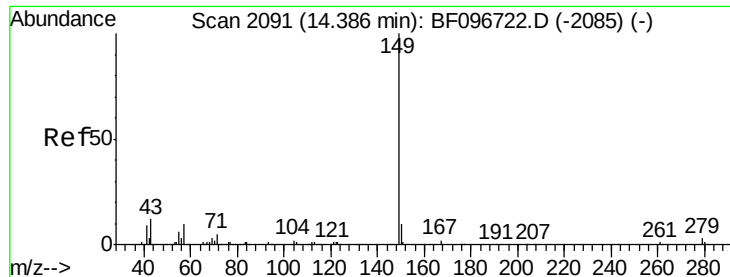
mohammad
 7/17/2017 3:56:15 PM



#83
Bis(2-ethylhexyl)phthalate
 Concen: 27.571 ng
 RT: 13.77 min Scan# 2004
 Delta R.T. -0.00 min
 Lab File: BF096771.D
 Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.4	1.9	2.9





#84

Di-n-octyl phthalate

Concen: 30.504 ng

RT: 14.38 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

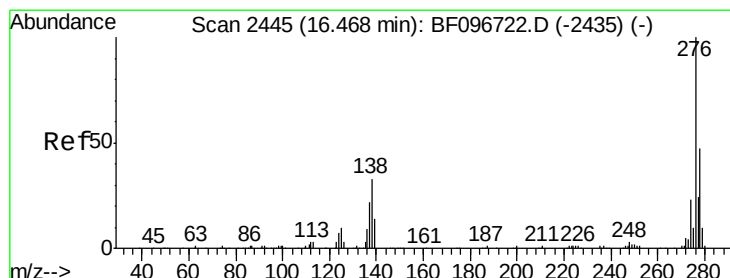
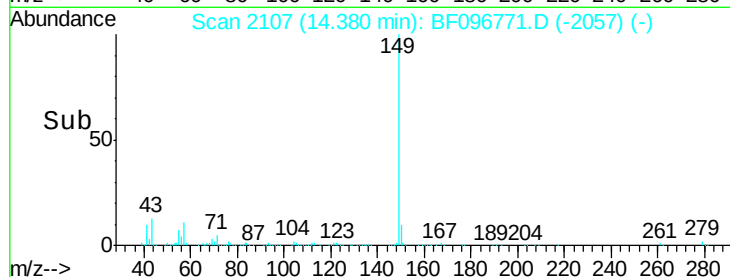
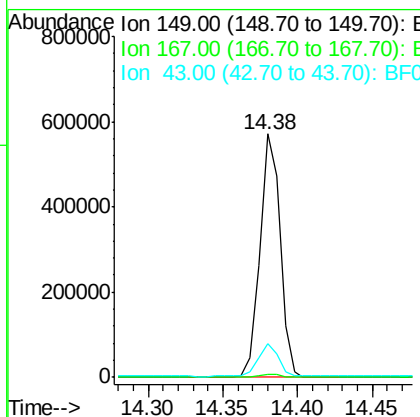
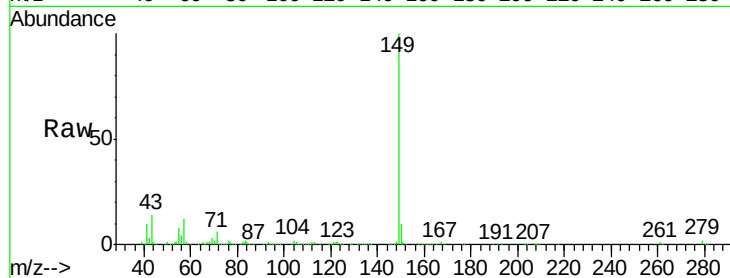
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion:	149	Resp:	526136
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	13.2	8.5	12.7#

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 37.424 ng

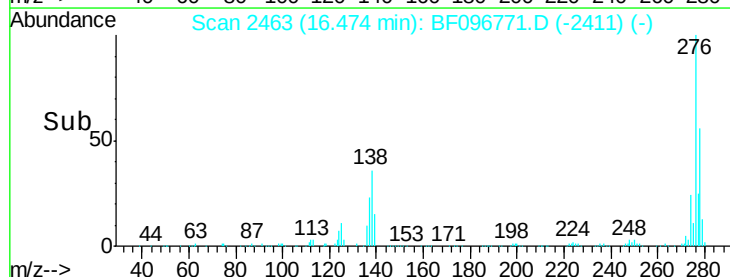
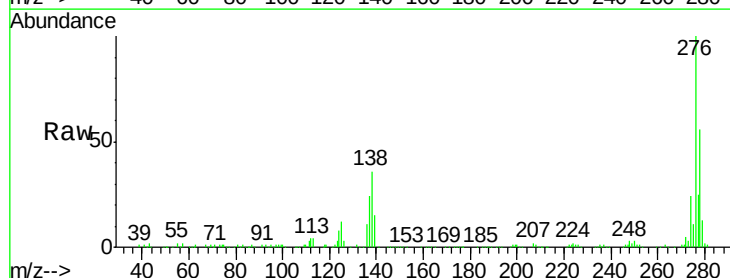
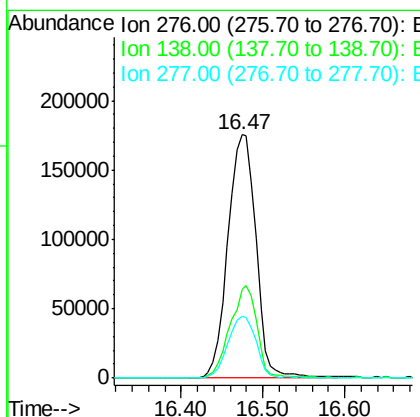
RT: 16.47 min Scan# 2463

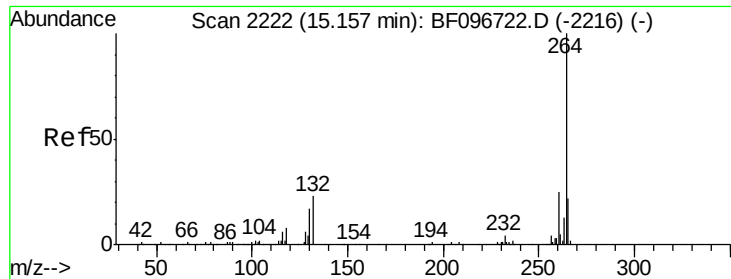
Delta R.T. 0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion:	276	Resp:	420780
Ion Ratio	Lower	Upper	
276	100		
138	36.0	27.8	41.6
277	25.7	20.2	30.4





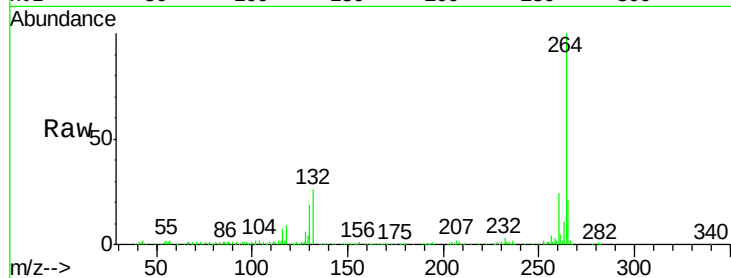
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

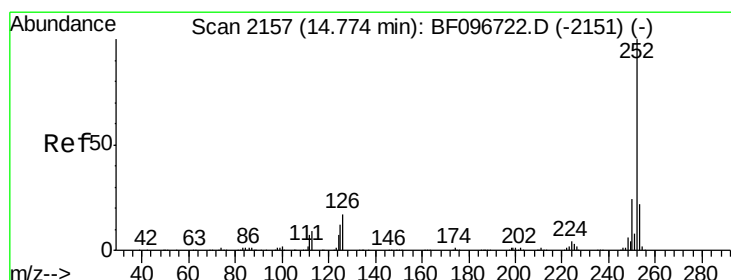
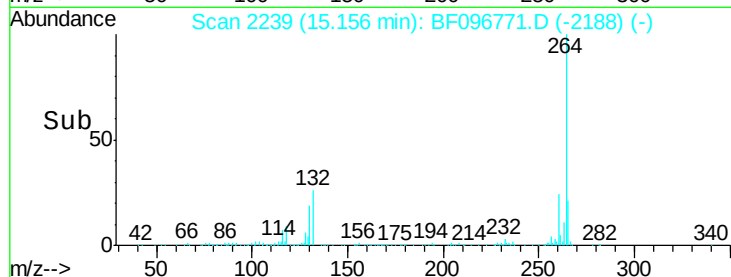
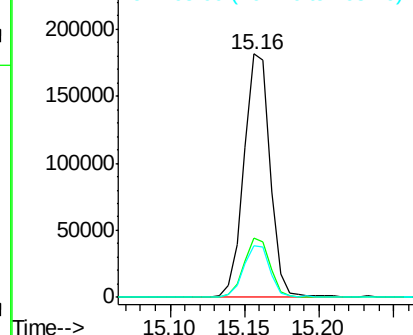
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.0	17.2	25.8

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



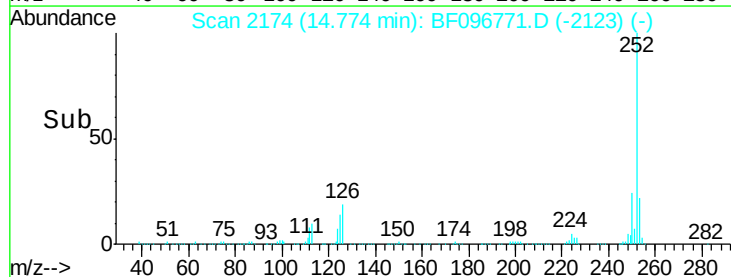
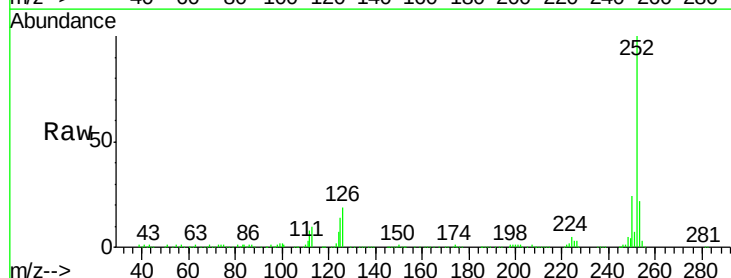
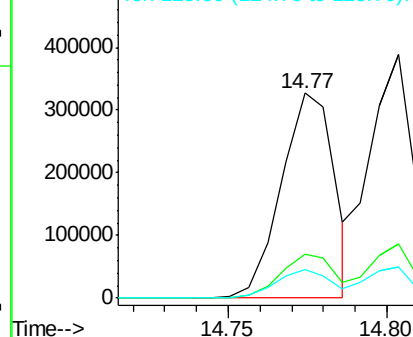
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

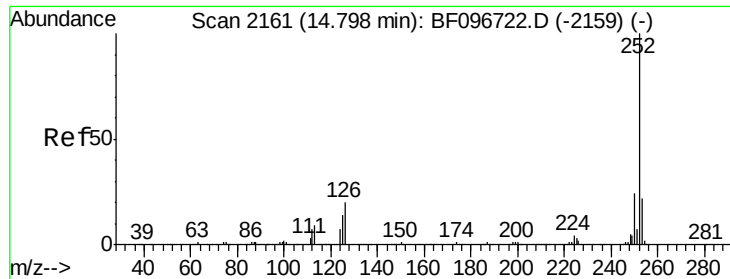


#87
Benzo(b)fluoranthene
Concen: 28.445 ng
RT: 14.77 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	14.1	9.8	14.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





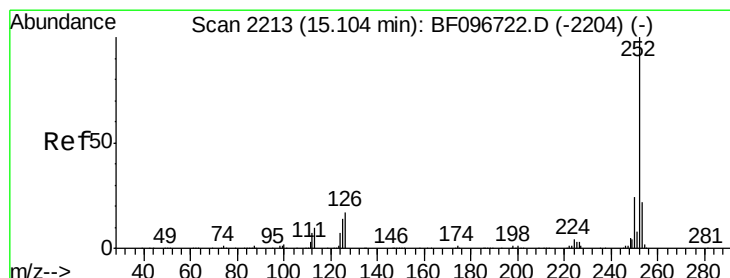
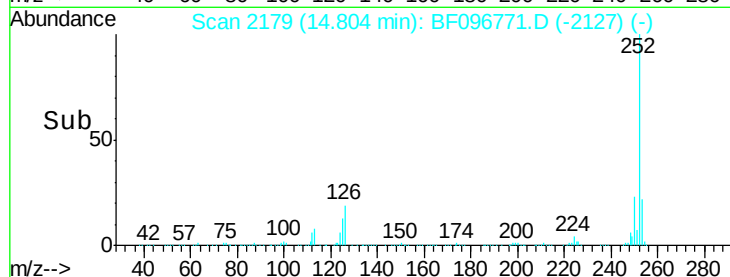
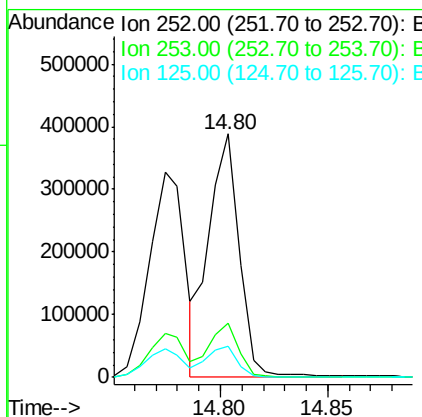
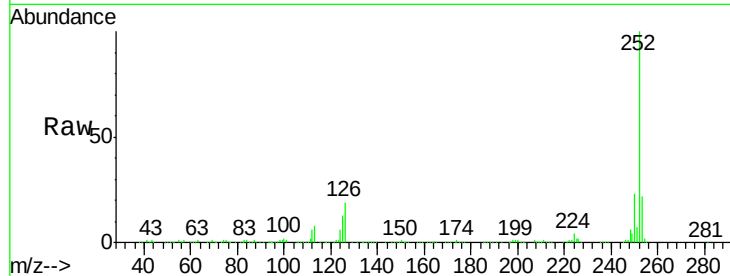
#88
Benzo(k)fluoranthene
Concen: 30.161 ng m
RT: 14.80 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	12.9	13.1	19.7

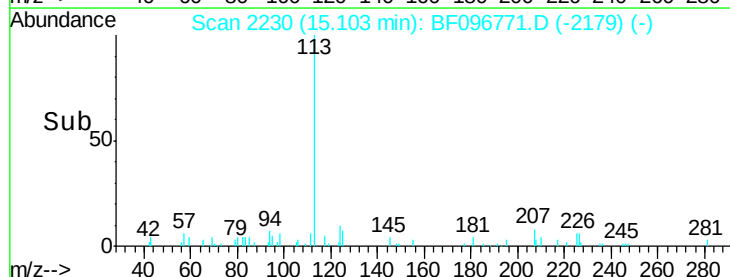
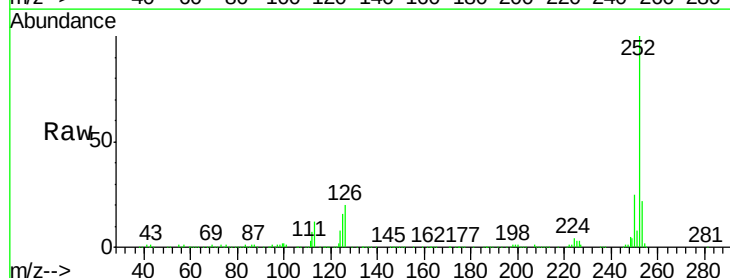
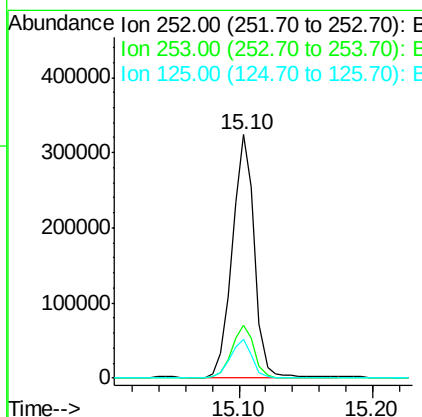
Manual Integrations
APPROVED

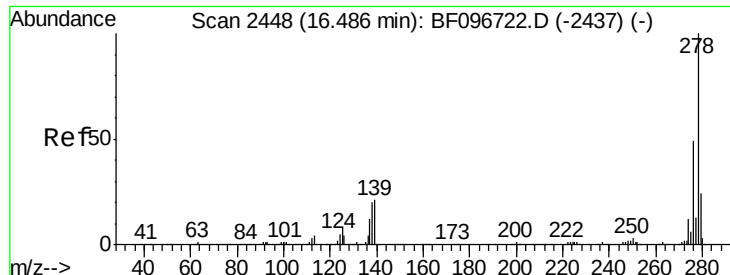
mohammad
7/17/2017 3:56:15 PM



#89
Benzo(a)pyrene
Concen: 30.583 ng
RT: 15.10 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF096771.D
Acq: 14 Jul 2017 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.7	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 30.544 ng

RT: 16.49 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Instrument :

BNA_F

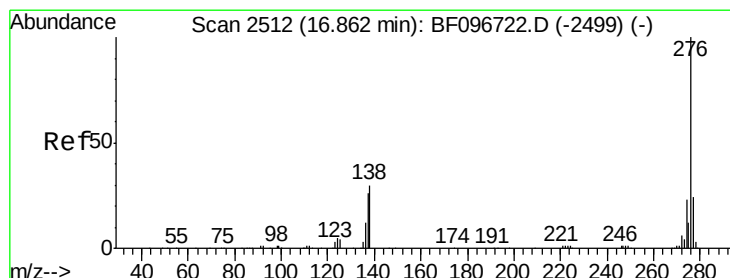
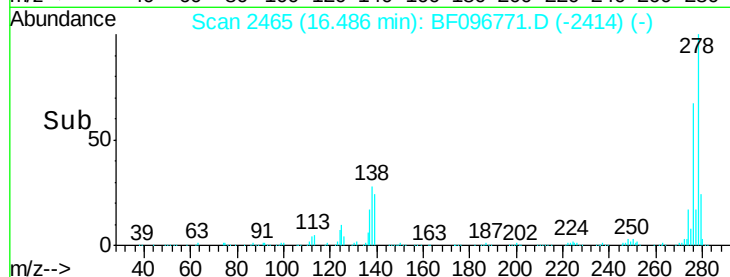
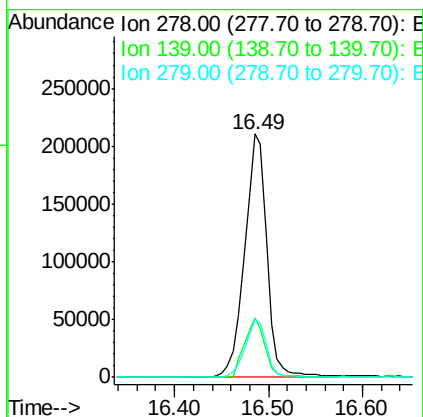
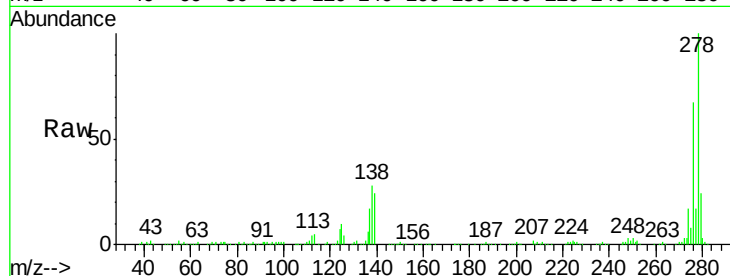
ClientSampleId :

WEST-GAS-SIDEWALLMS

Tgt Ion:	278	Resp:	344847
Ion Ratio	Lower	Upper	
278	100		
139	24.3	16.6	24.8
279	23.7	19.3	28.9

Manual Integrations
APPROVED

mohammad
7/17/2017 3:56:15 PM



#91

Benzo(g,h,i)perylene

Concen: 30.436 ng

RT: 16.87 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF096771.D

Acq: 14 Jul 2017 13:09

Tgt Ion:	276	Resp:	367975
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.6	28.0
138	32.6	25.4	38.0

