

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089616.D
 Acq On : 5 Aug 2016 6:57
 Operator : UM/SJ
 Sample : H4288-22MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:58 PM

Quant Time: Aug 05 08:06:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	45383	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	192558	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	90383	20.00	ng	0.00
63) Phenanthrene-d10	14.70	188	170527	20.00	ng	0.00
75) Chrysene-d12	18.39	240	112454	20.00	ng	0.00
86) Perylene-d12	20.05	264	80556	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	149333	55.15	ng	0.02
7) Phenol-d6	6.98	99	132369	36.04	ng	0.00
23) Nitrobenzene-d5	8.36	82	311626	89.51	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	101812	136.50	ng	0.01
44) 2-Fluorobiphenyl	11.26	172	593864	85.39	ng	0.00
78) Terphenyl-d14	17.05	244	477601	83.84	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.79	88	18341	11.82	ng	# 68
3) Pyridine	2.39	79	27295	9.57	ng	97
4) n-Nitrosodimethylamine	2.35	42	16703m	17.67	ng	
6) Aniline	6.95	93	72088	15.15	ng	98
8) 2-Chlorophenol	7.12	128	118063	35.52	ng	97
9) Benzaldehyde	6.75	77	49770	37.35	ng	96
10) Phenol	7.00	94	54167	14.36	ng	# 70
11) bis(2-Chloroethyl)ether	7.08	93	138429	42.73	ng	99
12) 1,3-Dichlorobenzene	7.35	146	121516	33.66	ng	98
13) 1,4-Dichlorobenzene	7.47	146	120946	33.59	ng	100
14) 1,2-Dichlorobenzene	7.70	146	126987	33.45	ng	98
15) Benzyl Alcohol	7.74	79	67444	28.00	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.94	45	165221	40.05	ng	# 58
17) 2-Methylphenol	7.95	107	71909	29.95	ng	# 90
18) Hexachloroethane	8.23	117	47334	31.19	ng	95
19) n-Nitroso-di-n-propylamine	8.17	70	117418	44.25	ng	100
20) 3+4-Methylphenols	8.22	107	85490	28.21	ng	93
22) Acetophenone	8.12	105	170511	37.14	ng	96
24) Nitrobenzene	8.39	77	154769	46.81	ng	97
25) Isophorone	8.79	82	306549	45.99	ng	98
26) 2-Nitrophenol	8.89	139	66189	43.62	ng	99
27) 2,4-Dimethylphenol	9.04	122	107732	39.49	ng	95
28) bis(2-Chloroethoxy)methane	9.18	93	184748	45.81	ng	99
29) 2,4-Dichlorophenol	9.30	162	111815	43.31	ng	99
30) 1,2,4-Trichlorobenzene	9.40	180	112633	38.20	ng	99
31) Naphthalene	9.51	128	409986	40.06	ng	99
32) Benzoic acid	9.29	122	12192	7.11	ng	95
33) 4-Chloroaniline	9.66	127	70053	18.23	ng	99
34) Hexachlorobutadiene	9.72	225	56949	33.54	ng	99
35) Caprolactam	10.30	113	4916m	6.53	ng	
36) 4-Chloro-3-methylphenol	10.49	107	117592	39.19	ng	97
37) 2-Methylnaphthalene	10.63	142	269858	42.87	ng	99
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	110107	32.41	ng	99
40) Hexachlorocyclopentadiene	10.89	237	75941	66.34	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089616.D
 Acq On : 5 Aug 2016 6:57
 Operator : UM/SJ
 Sample : H4288-22MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

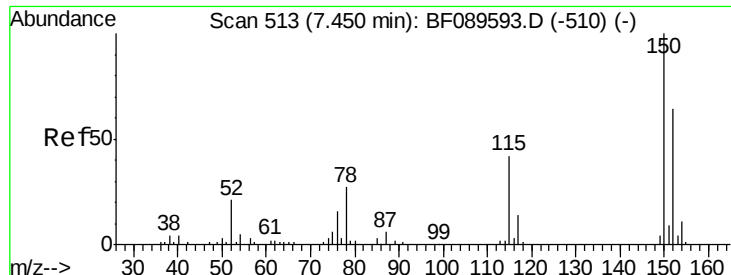
Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:58 PM

Quant Time: Aug 05 08:06:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.13	196	74819	44.65	nq	97
43) 2,4,5-Trichlorophenol	11.20	196	81757	45.65	nq	99
45) 1,1'-Biphenyl	11.40	154	316544	38.84	nq	100
46) 2-Chloronaphthalene	11.42	162	267972	43.85	nq	98
47) 2-Nitroaniline	11.62	65	90065	45.72	nq	95
48) Acenaphthylene	12.07	152	435398	43.25	nq	100
49) Dimethylphthalate	11.96	163	343880	48.54	nq	99
50) 2,6-Dinitrotoluene	12.04	165	72224	51.28	nq	# 86
51) Acenaphthene	12.35	154	256669	44.14	nq	98
52) 3-Nitroaniline	12.31	138	39887	23.68	nq	# 89
53) 2,4-Dinitrophenol	12.50	184	56042	86.87	nq	96
54) Dibenzofuran	12.64	168	398436	49.85	nq	98
55) 4-Nitrophenol	12.71	139	22615m	24.57	nq	
56) 2,4-Dinitrotoluene	12.71	165	100497	50.73	nq	# 84
57) Fluorene	13.19	166	324713	47.53	nq	99
58) 2,3,4,6-Tetrachlorophenol	12.87	232	61592	45.31	nq	97
59) Diethylphthalate	13.11	149	350009	47.77	nq	98
60) 4-Chlorophenyl-phenylether	13.22	204	144622	46.16	nq	95
61) 4-Nitroaniline	13.31	138	60615	40.02	nq	93
62) Azobenzene	13.49	77	380448	53.69	nq	99
64) 4,6-Dinitro-2-methylphenol	13.37	198	46407	44.87	nq	79
65) n-Nitrosodiphenylamine	13.44	169	268114	46.55	nq	100
66) 4-Bromophenyl-phenylether	14.01	248	82832	50.22	nq	98
67) Hexachlorobenzene	14.07	284	82087	45.24	nq	99
68) Atrazine	14.37	200	84073	52.28	nq	99
69) Pentachlorophenol	14.42	266	73186	93.48	nq	98
70) Phenanthrene	14.73	178	445679	48.06	nq	99
71) Anthracene	14.82	178	470808	47.36	nq	99
72) Carbazole	15.11	167	413039	49.85	nq	100
73) Di-n-butylphthalate	15.70	149	568630	50.75	nq	100
74) Fluoranthene	16.49	202	440611	46.22	nq	99
77) Pyrene	16.80	202	445400	44.80	nq	99
79) Butylbenzylphthalate	17.73	149	215321	50.89	nq	97
80) Benzo(a)anthracene	18.38	228	304324	47.10	nq	99
81) 3,3'-Dichlorobenzidine	18.37	252	22519	11.06	nq	# 97
82) Chrysene	18.42	228	314301	46.37	nq	99
83) Bis(2-ethylhexyl)phthalate	18.47	149	291373	49.74	nq	100
84) Di-n-octyl phthalate	19.25	149	430512	51.07	nq	100
85) Indeno(1,2,3-cd)pyrene	21.22	276	247853	48.15	nq	100
87) Benzo(b)fluoranthene	19.65	252	230900	46.60	nq	99
88) Benzo(k)fluoranthene	19.67	252	244489m	48.91	nq	
89) Benzo(a)pyrene	19.99	252	215113	46.37	nq	99
90) Dibenzo(a,h)anthracene	21.23	278	208680	48.16	nq	98
91) Benzo(g,h,i)perylene	21.57	276	211000	47.56	nq	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

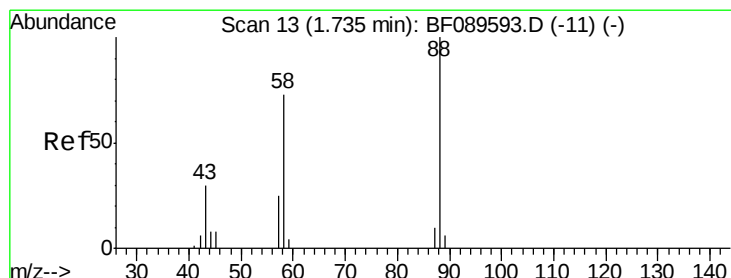
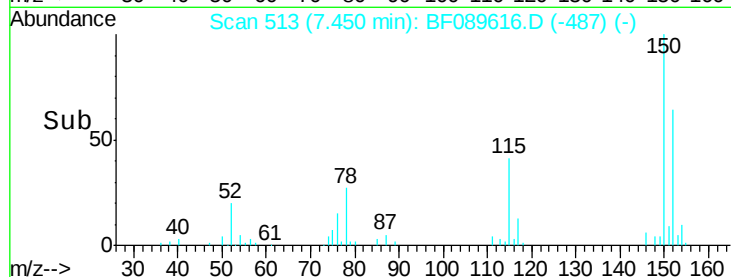
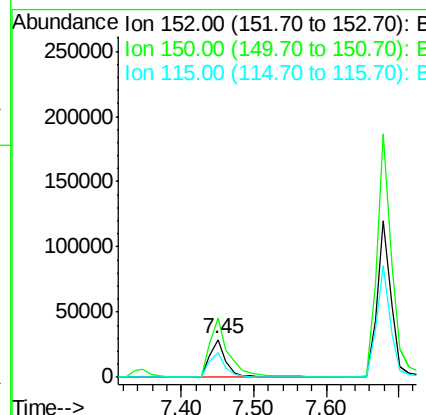
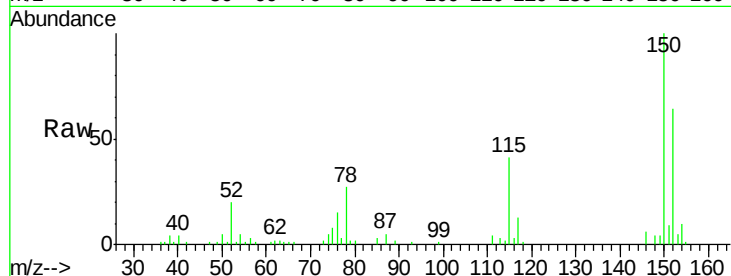
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion:	152	Resp:	45383
Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.5	188.3
115	64.2	52.0	78.0

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#2

1,4-Dioxane

Concen: 11.82 ng

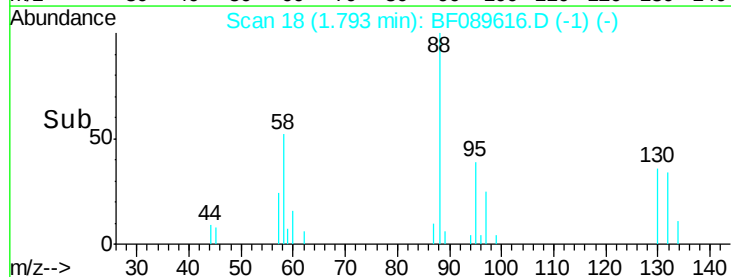
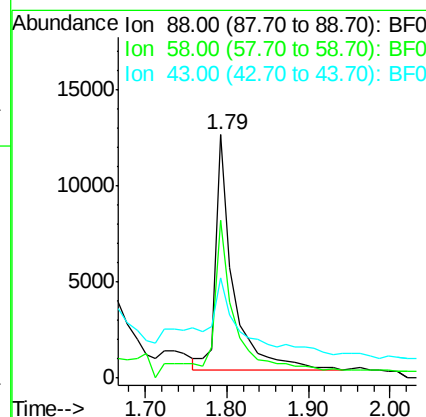
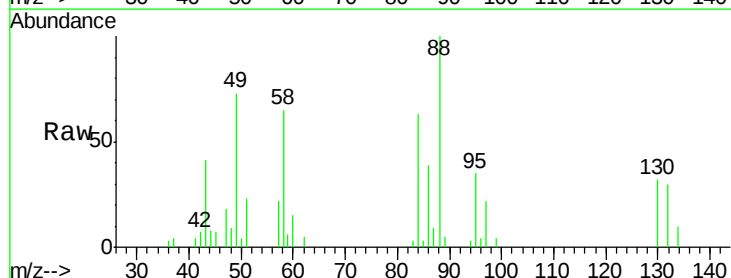
RT: 1.79 min Scan# 18

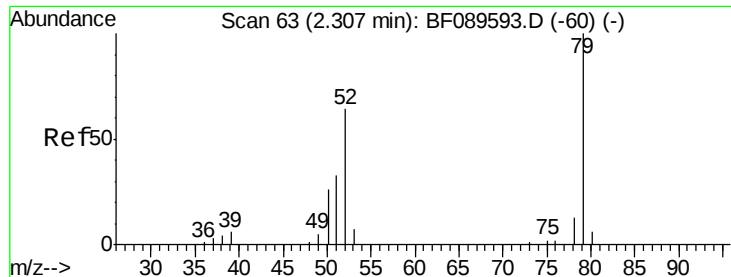
Delta R.T. 0.06 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	88	Resp:	18341
Ion	Ratio	Lower	Upper
88	100		
58	81.5	49.8	74.8#
43	50.1	20.1	30.1#





#3

Pvridine

Concen: 9.57 ng

RT: 2.39 min Scan# 70

Delta R.T. 0.08 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

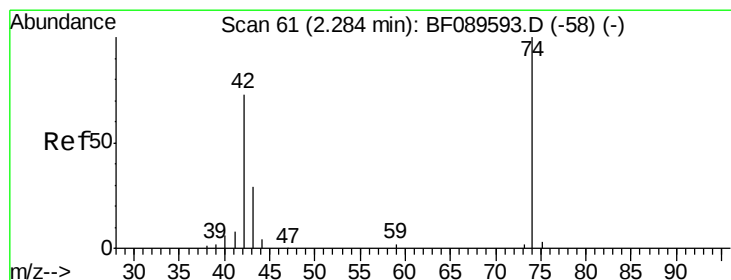
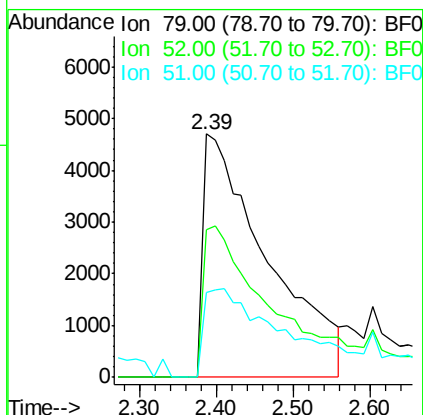
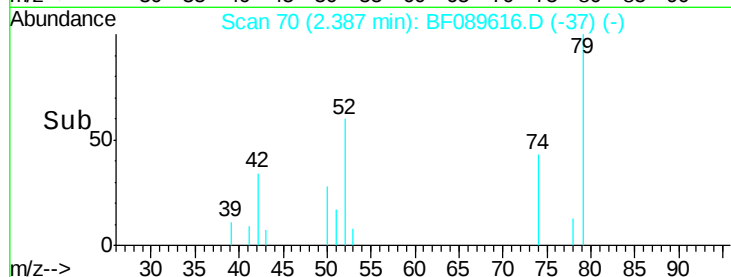
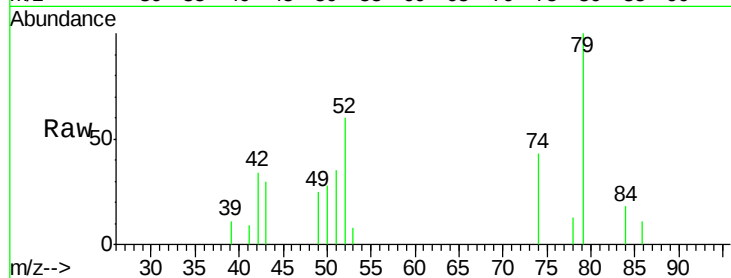
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion:	79	Resp:	27295
Ion Ratio	Lower	Upper	
79	100		
52	60.5	51.0	76.4
51	35.1	27.9	41.9

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#4

n-Nitrosodimethylamine

Concen: 17.67 ng m

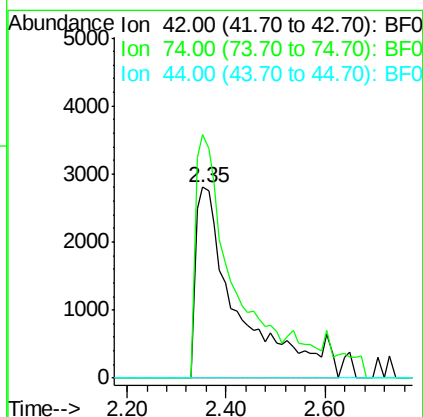
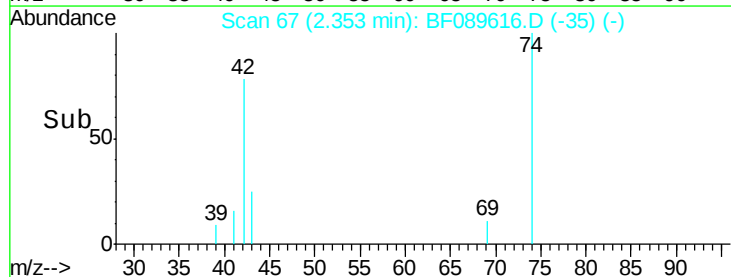
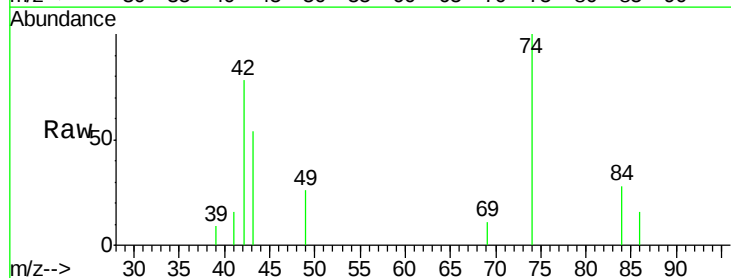
RT: 2.35 min Scan# 67

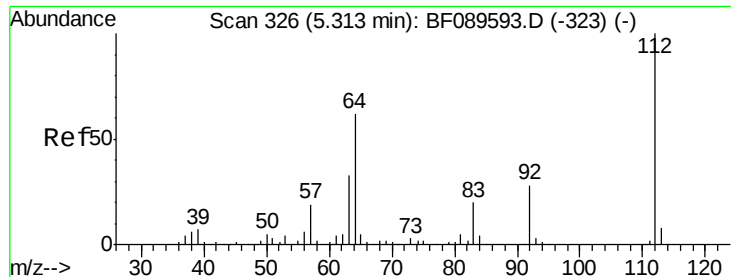
Delta R.T. 0.07 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	42	Resp:	16703
Ion Ratio	Lower	Upper	
42	100		
74	127.6	110.0	165.0
44	0.0	4.8	7.2#





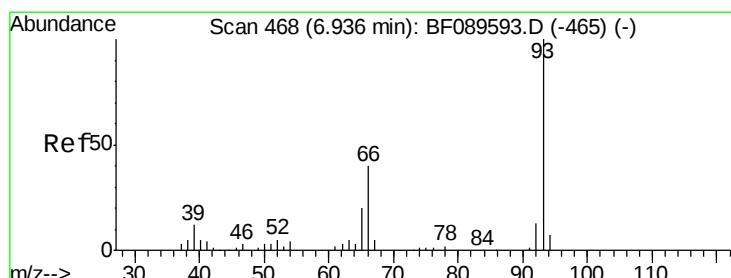
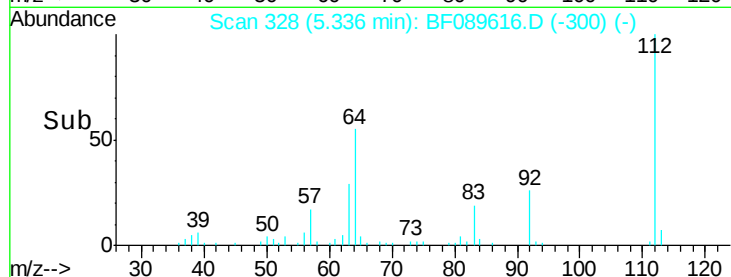
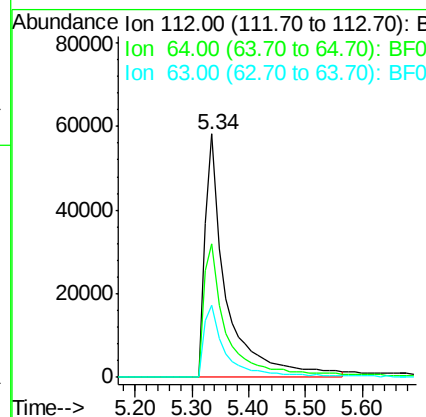
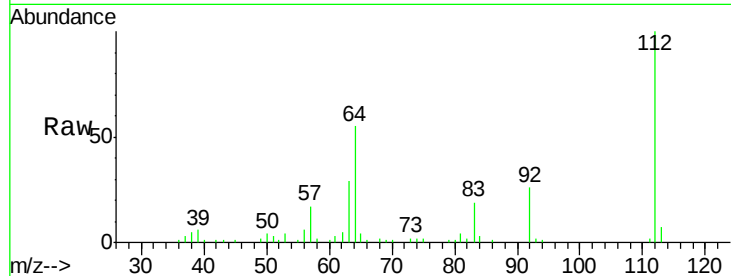
#5
2-Fluorophenol
Concen: 55.15 ng
RT: 5.34 min Scan# 328
Delta R.T. 0.02 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion:	112	Resp:	149333
Ion Ratio	Lower	Upper	
112	100		
64	54.7	49.9	74.9
63	29.4	26.1	39.1

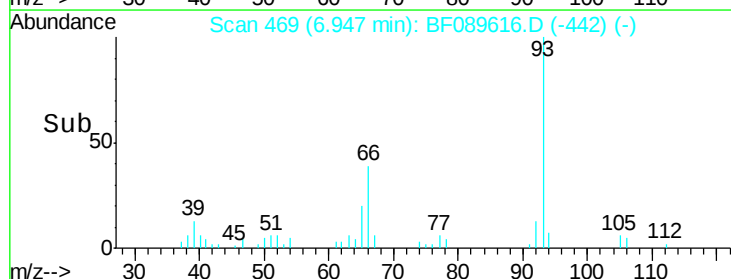
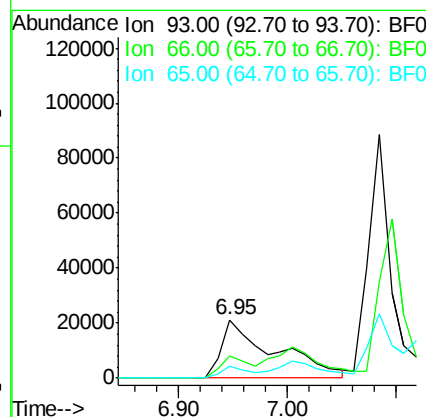
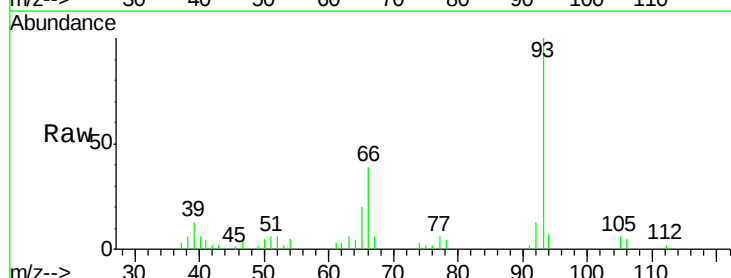
Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#6
Aniline
Concen: 15.15 ng
RT: 6.95 min Scan# 469
Delta R.T. 0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion:	93	Resp:	72088
Ion Ratio	Lower	Upper	
93	100		
66	38.6	32.2	48.2
65	19.8	15.8	23.8





#7

Phenol-d6

Concen: 36.04 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

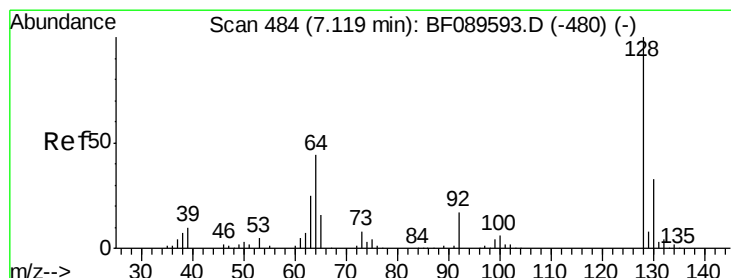
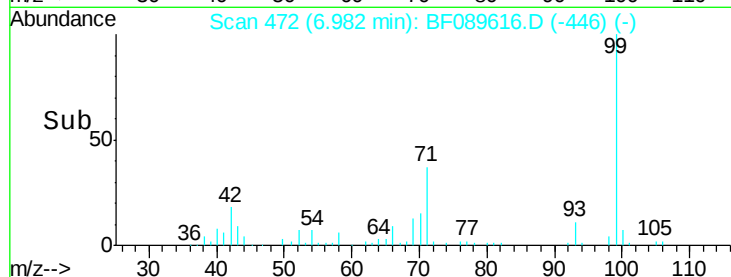
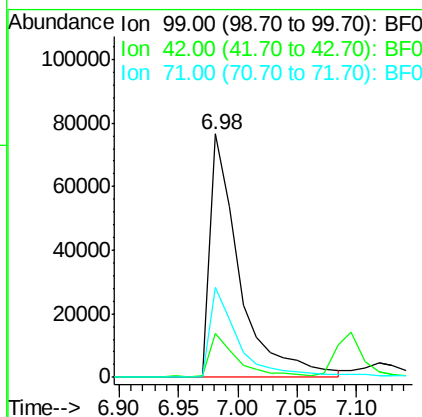
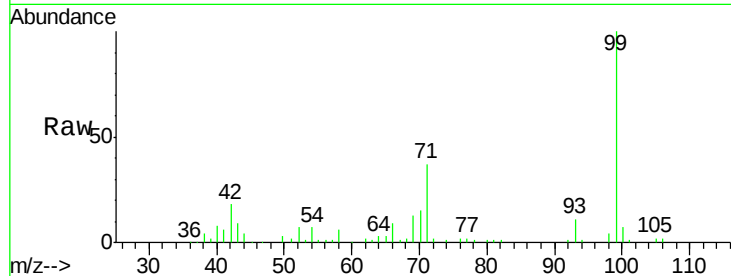
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion:	99	Resp:	132369
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.7	20.5
71	36.9	29.0	43.4

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#8

2-Chlorophenol

Concen: 35.52 ng

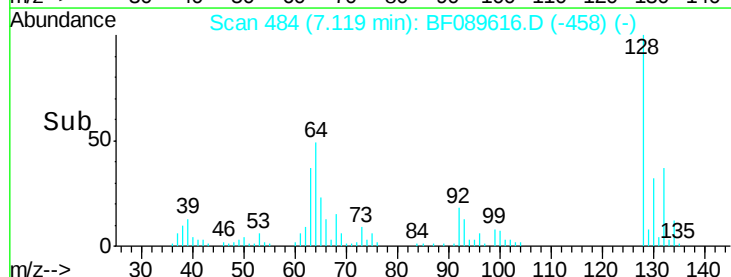
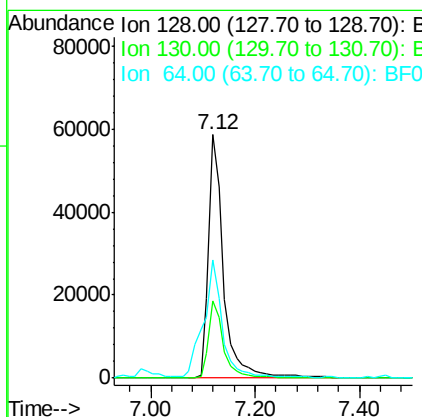
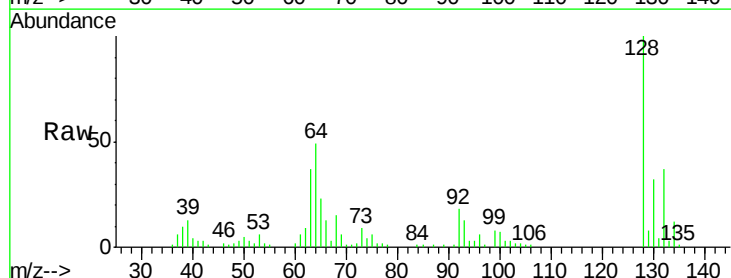
RT: 7.12 min Scan# 484

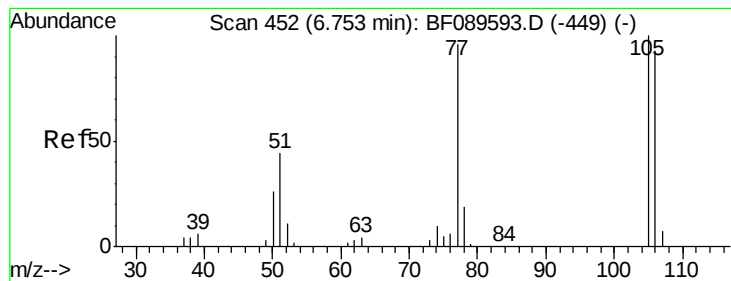
Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	128	Resp:	118063
Ion Ratio	Lower	Upper	
128	100		
130	32.0	12.6	52.6
64	48.7	25.3	65.3





#9

Benzaldehyde

Concen: 37.35 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

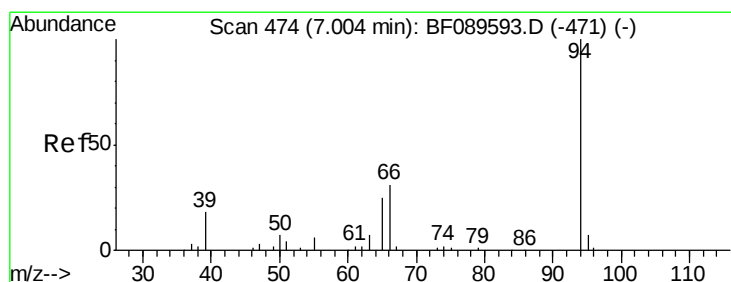
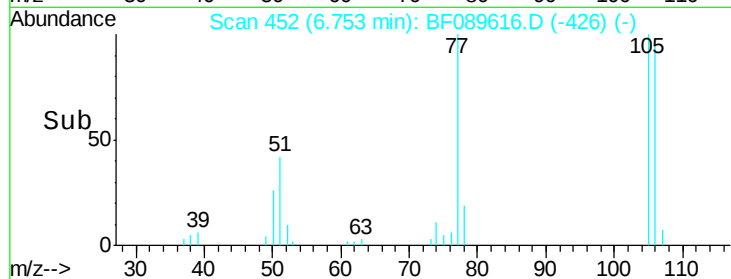
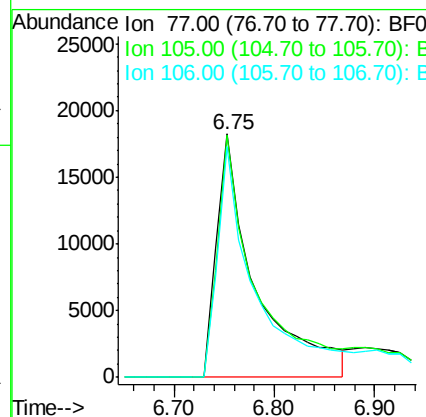
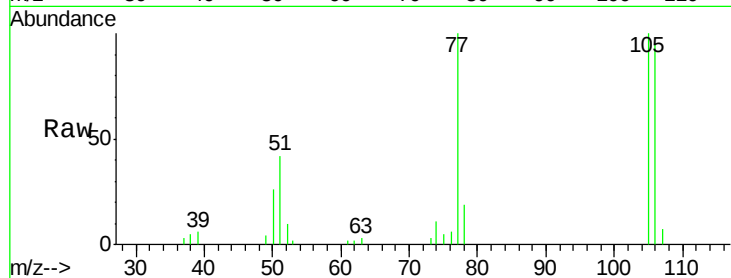
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion:	77	Resp:	49770
Ion	Ratio	Lower	Upper
77	100		
105	99.7	84.7	124.7
106	94.7	77.1	117.1

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#10

Phenol

Concen: 14.36 ng

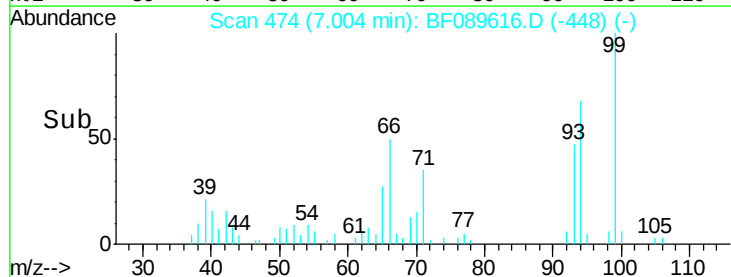
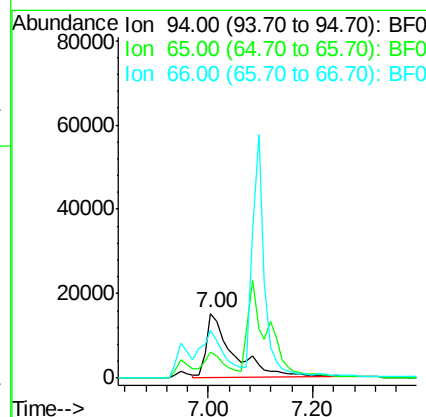
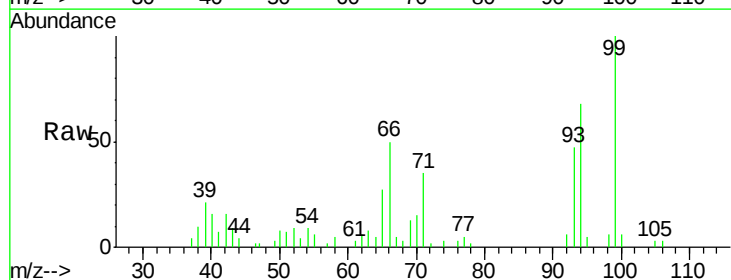
RT: 7.00 min Scan# 474

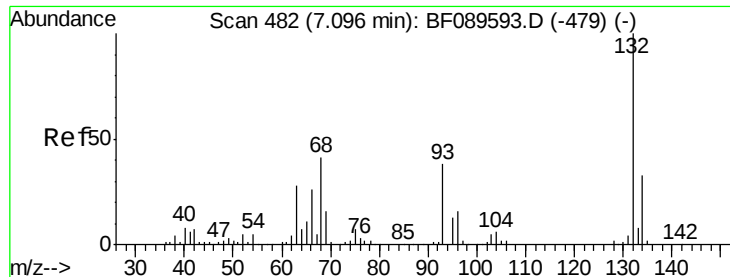
Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	94	Resp:	54167
Ion	Ratio	Lower	Upper
94	100		
65	39.7	11.0	51.0
66	73.6	27.4	67.4





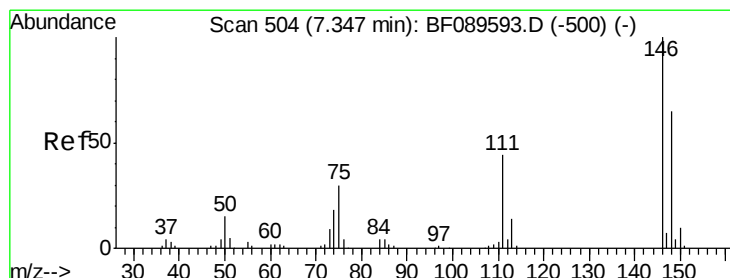
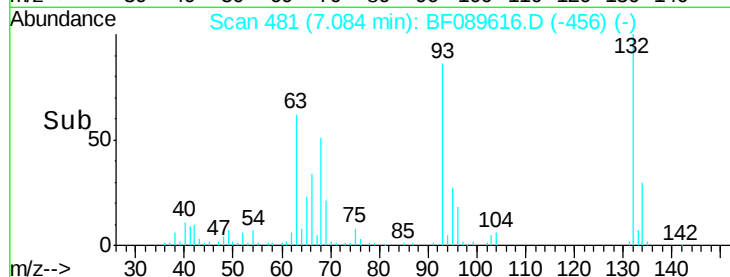
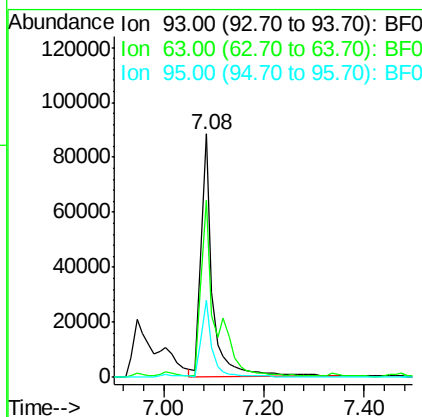
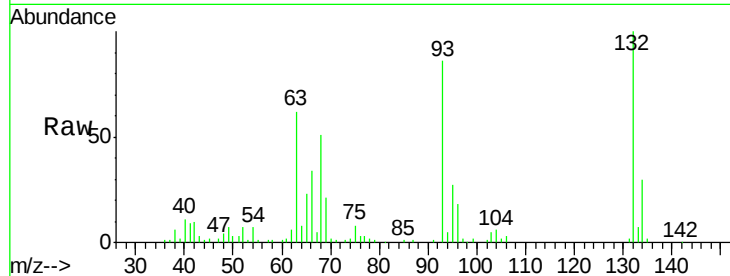
#11
bis(2-Chloroethyl)ether
Concen: 42.73 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	72.6	52.2	92.2	
95	31.9	13.1	53.1	

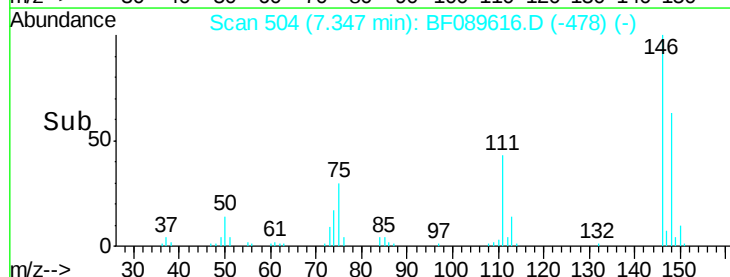
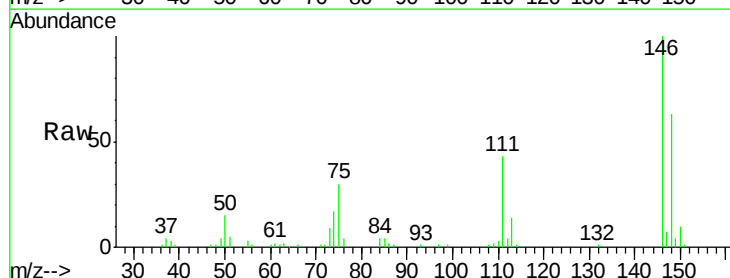
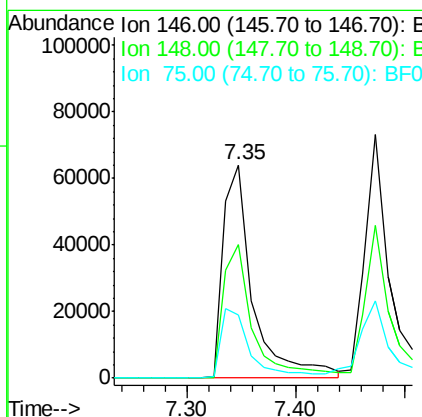
Manual Integrations
APPROVED

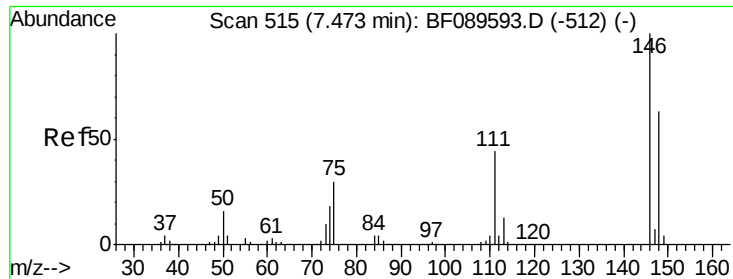
sohil
8/5/2016 6:58:58 PM



#12
1,3-Dichlorobenzene
Concen: 33.66 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	62.9	52.1	78.1	
75	29.7	24.1	36.1	





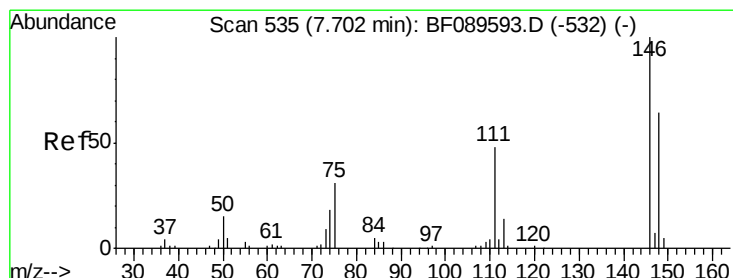
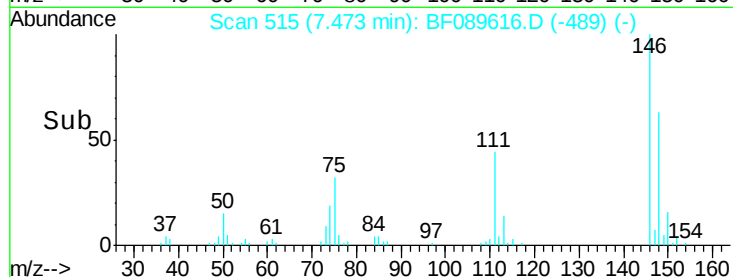
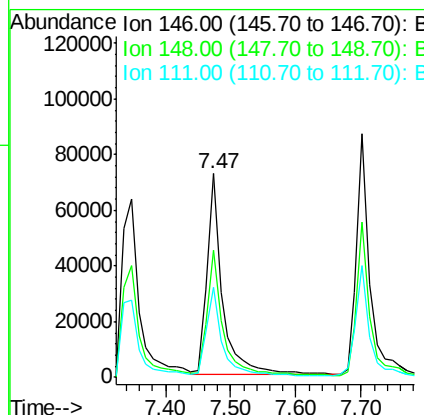
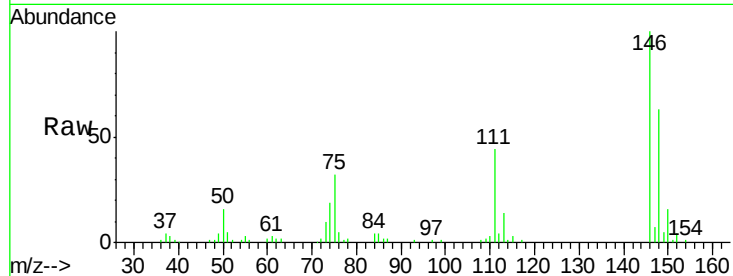
#13
 1,4-Dichlorobenzene
 Concen: 33.59 ng
 RT: 7.47 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.4	75.6
111	43.9	35.0	52.4

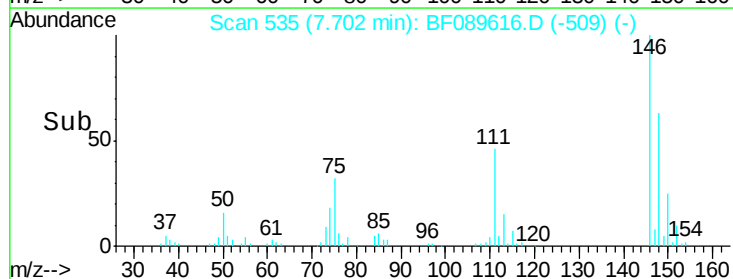
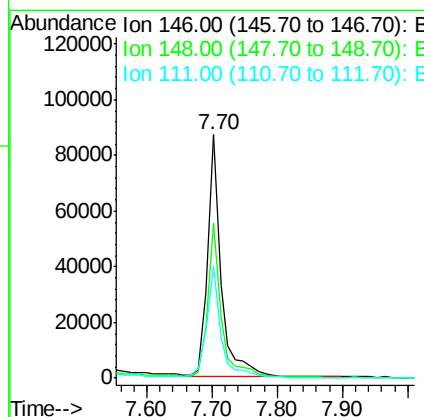
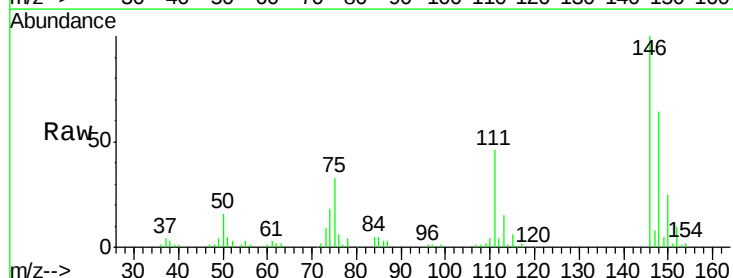
Manual Integrations
 APPROVED

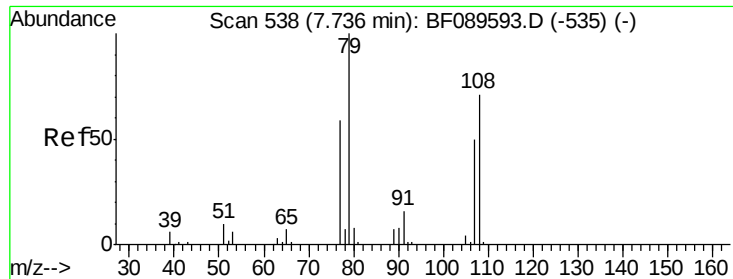
sohil
 8/5/2016 6:58:58 PM



#14
 1,2-Dichlorobenzene
 Concen: 33.45 ng
 RT: 7.70 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
111	45.8	38.5	57.7





#15

Benzyl Alcohol

Concen: 28.00 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

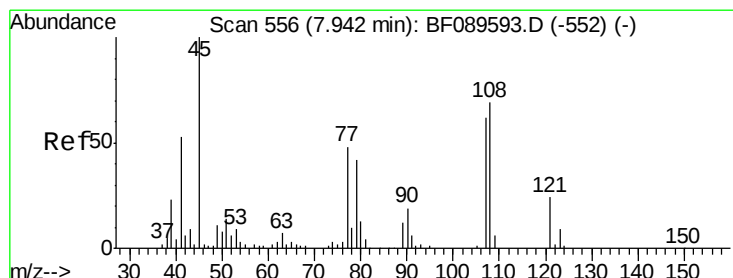
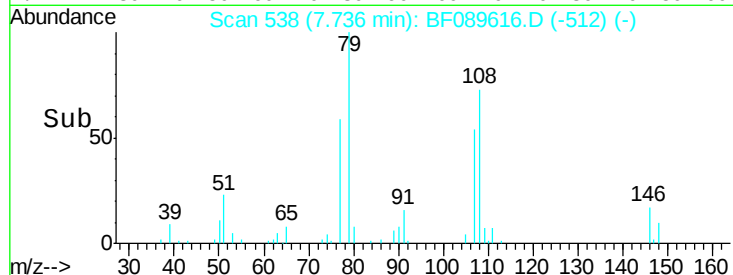
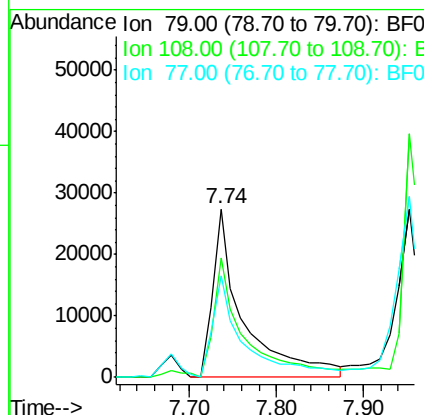
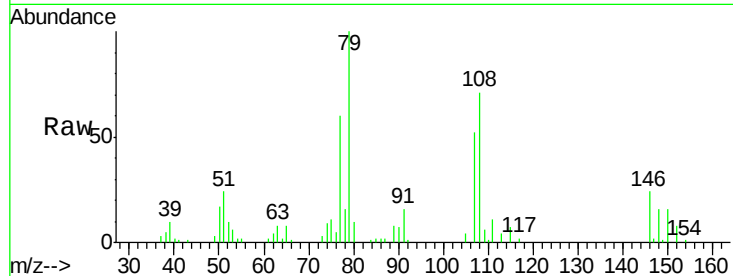
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion:	79	Resp:	67444
Ion Ratio	Lower	Upper	
79	100		
108	70.7	58.3	87.5
77	60.4	48.7	73.1

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.05 ng

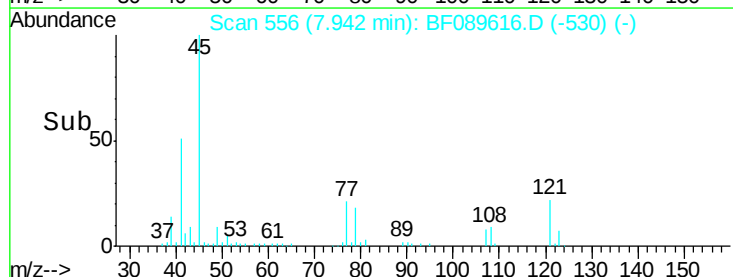
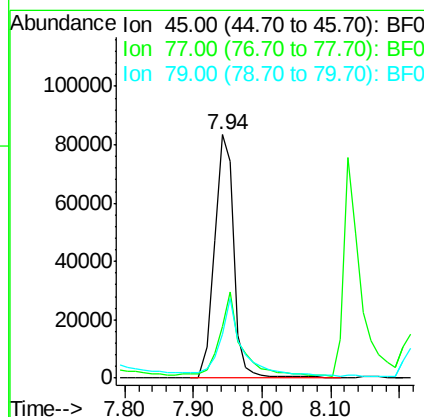
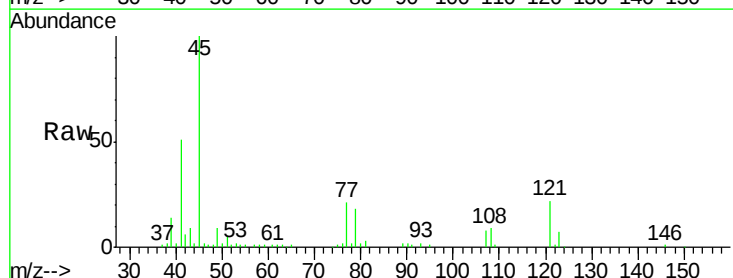
RT: 7.94 min Scan# 556

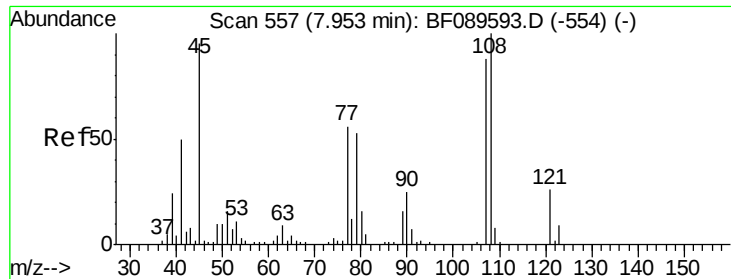
Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	45	Resp:	165221
Ion Ratio	Lower	Upper	
45	100		
77	21.1	30.1	70.1#
79	17.9	25.5	65.5#





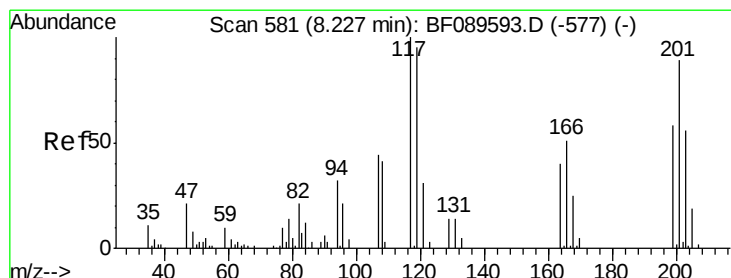
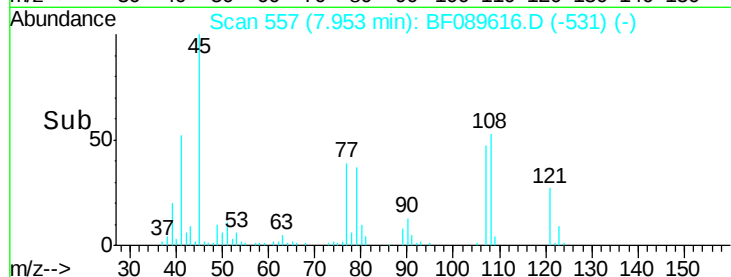
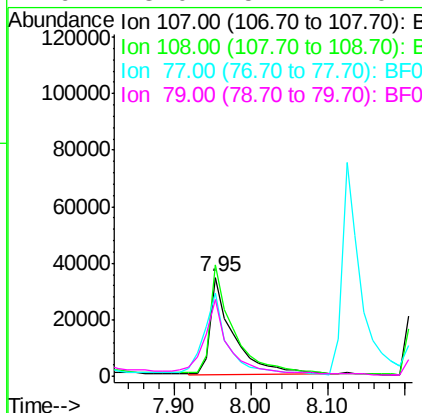
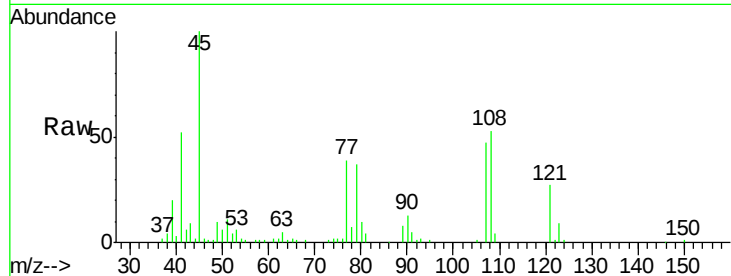
#17
2-Methylphenol
Concen: 29.95 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion:	107	Resp:	71909
Ion Ratio	Lower	Upper	
107	100		
108	112.9	91.2	136.8
77	83.6	54.6	82.0
79	78.0	52.7	79.1

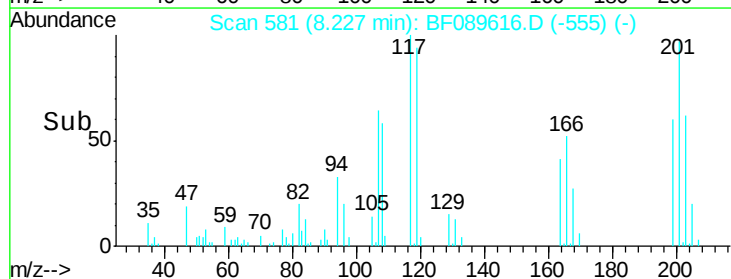
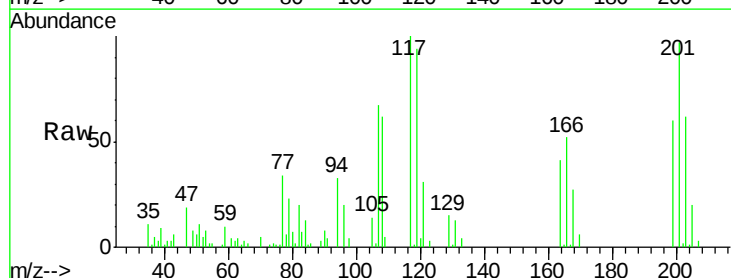
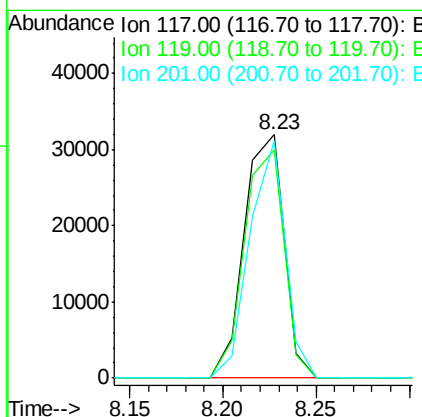
Manual Integrations
APPROVED

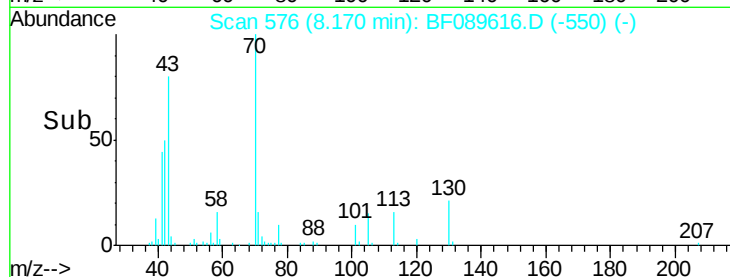
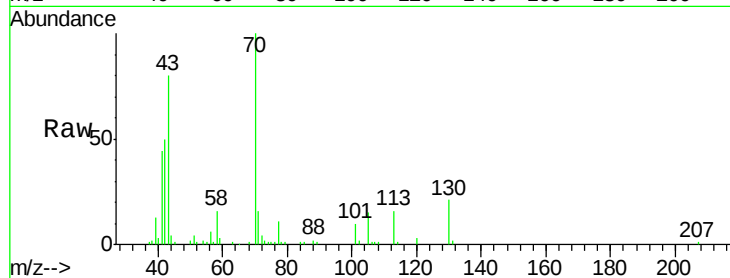
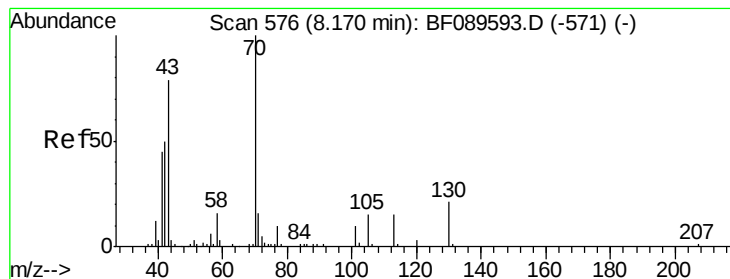
sohil
8/5/2016 6:58:58 PM



#18
Hexachloroethane
Concen: 31.19 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion:	117	Resp:	47334
Ion Ratio	Lower	Upper	
117	100		
119	93.7	75.7	113.5
201	97.3	71.6	107.4





#19

n-Nitroso-di-n-propylamine

Concen: 44.25 ng

RT: 8.17 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	50.2	40.2	60.2	
101	9.8	7.8	11.6	
130	21.0	16.4	24.6	

Instrument :

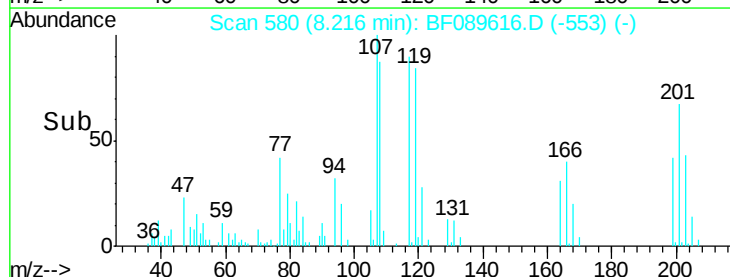
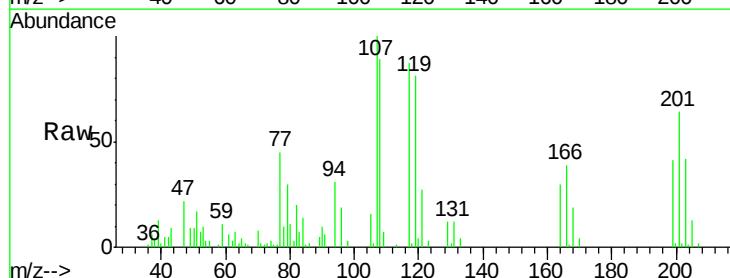
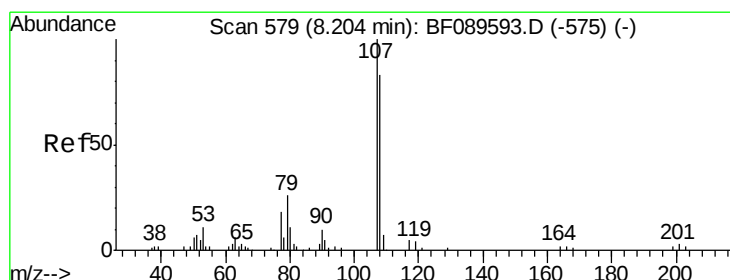
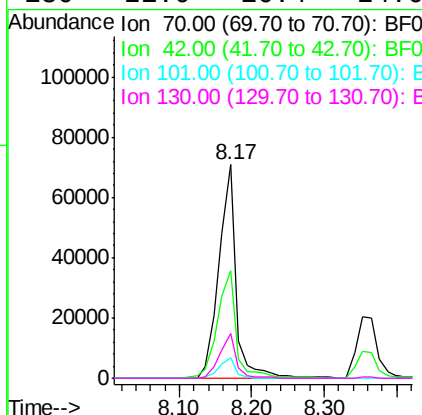
BNA_F

ClientSampleId :

GW-64-9.0-15.0MS

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#20

3+4-Methylphenols

Concen: 28.21 ng

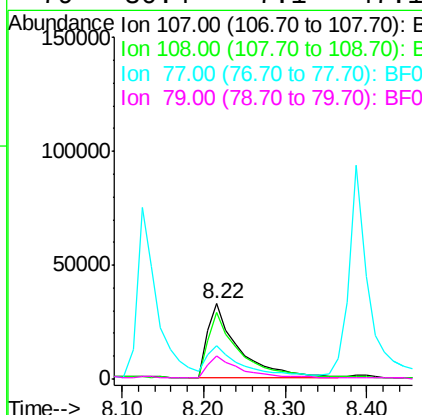
RT: 8.22 min Scan# 580

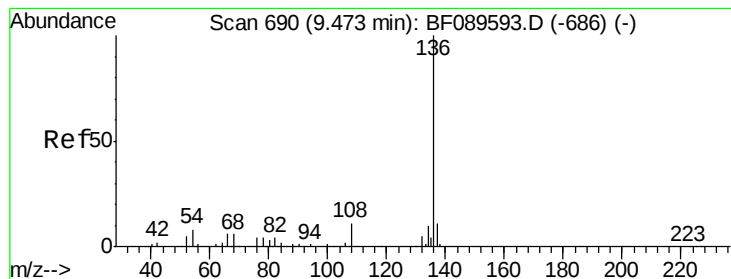
Delta R.T. 0.01 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.9	63.8	103.8	
77	45.1	19.5	59.5	
79	30.4	7.1	47.1	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

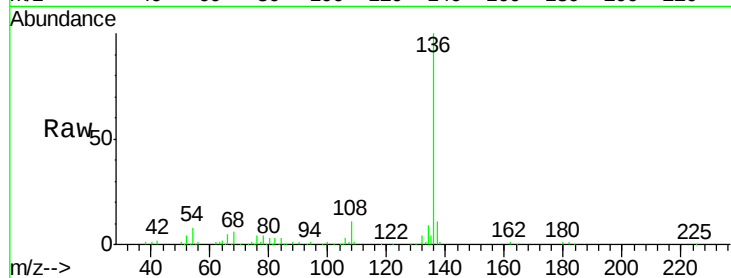
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		192558		
137	10.9		8.6	12.8	
54	7.5		6.0	9.0	
68	5.7		4.6	6.8	

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



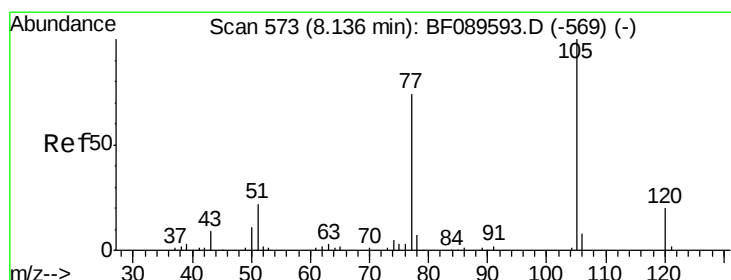
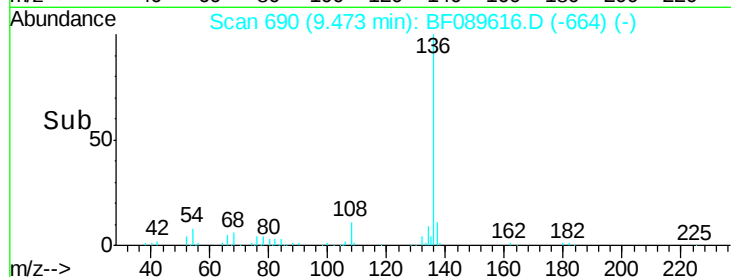
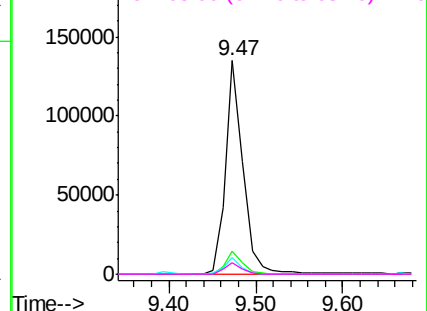
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 37.14 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.01 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		170511		
71	0.0		0.0	0.0	
51	25.5		18.2	27.2	
120	19.0		15.7	23.5	

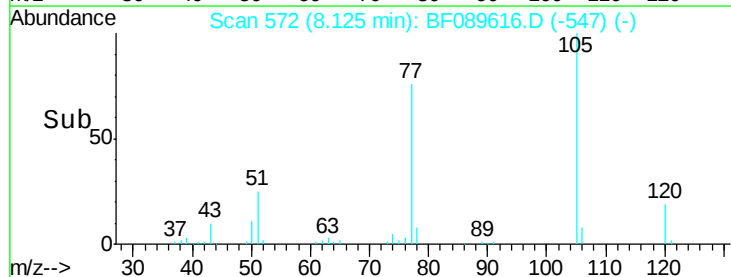
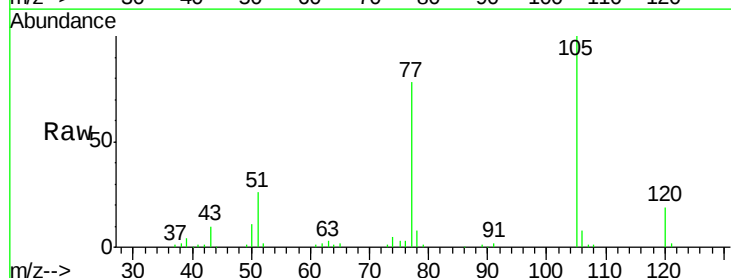
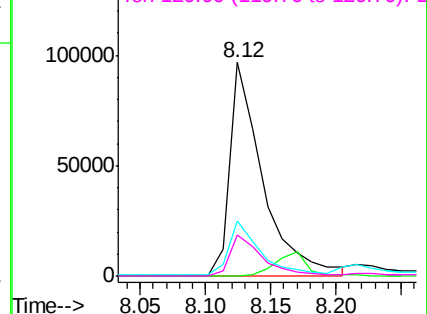
Abundance

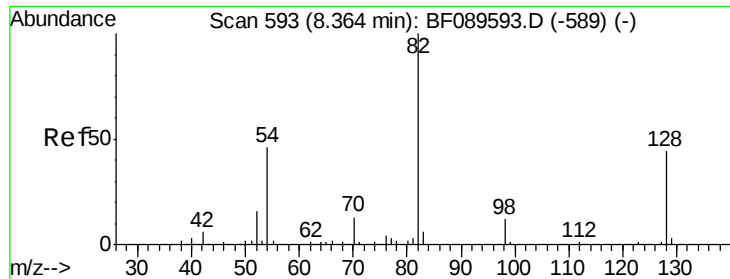
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





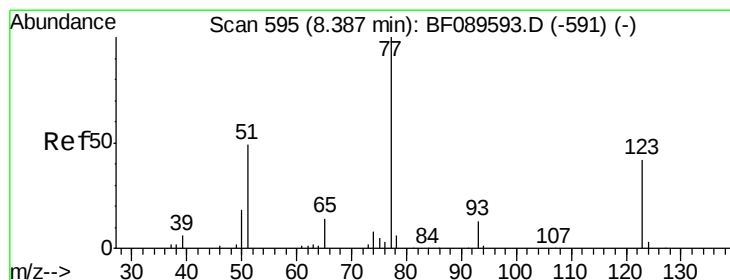
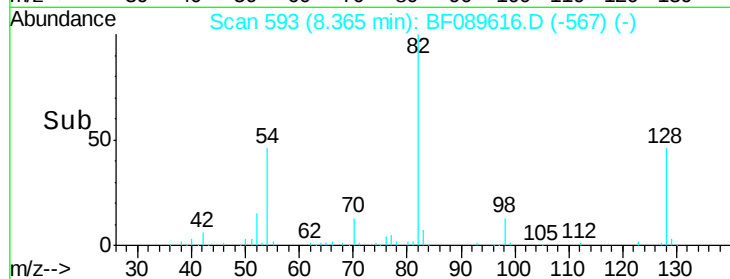
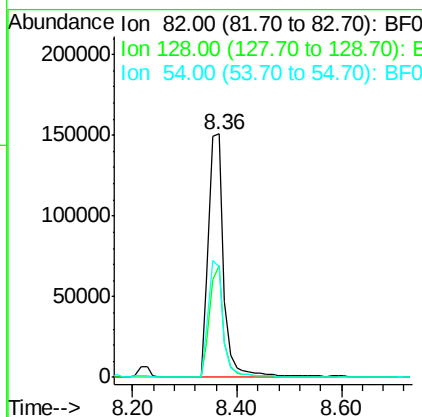
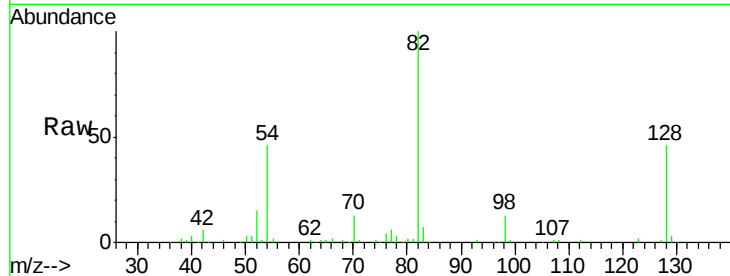
#23
 Nitrobenzene-d5
 Concen: 89.51 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	35.4	53.0	
54	45.5	36.4	54.6	

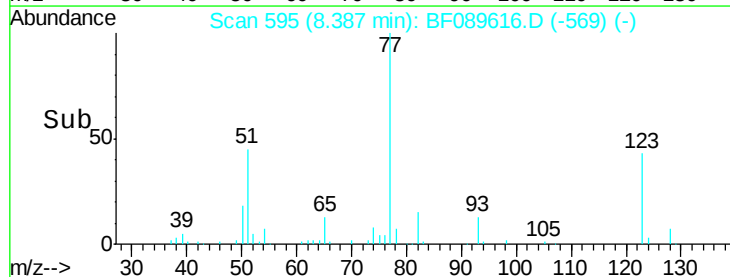
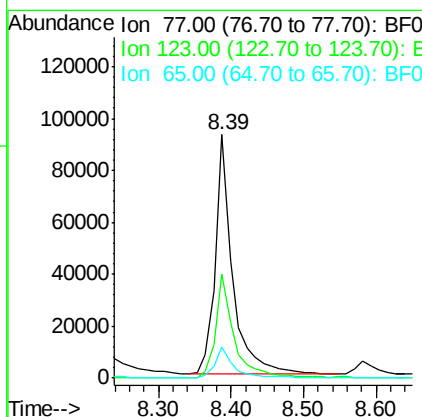
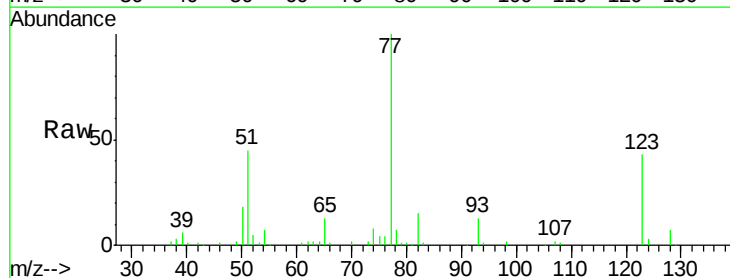
Manual Integrations
 APPROVED

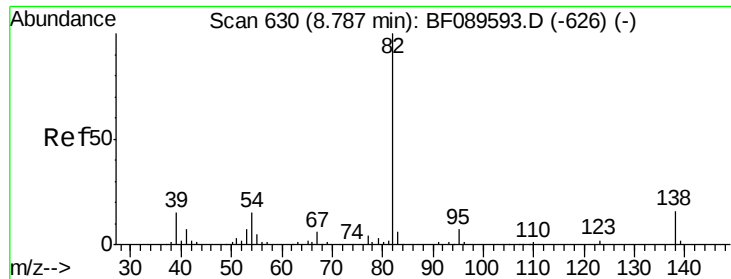
sohil
 8/5/2016 6:58:58 PM



#24
 Nitrobenzene
 Concen: 46.81 ng
 RT: 8.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	42.8	32.6	49.0	
65	12.7	11.0	16.6	





#25

Isophorone

Concen: 45.99 ng

RT: 8.79 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion: 82 Resp: 306549
Ion Ratio Lower Upper

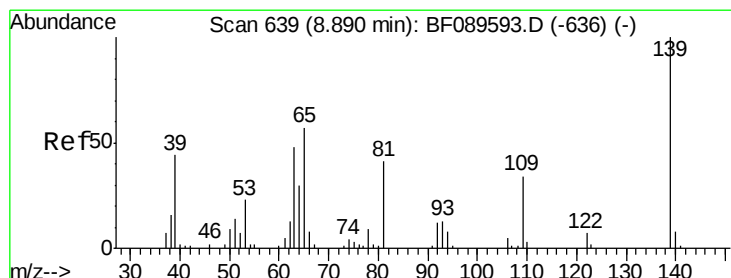
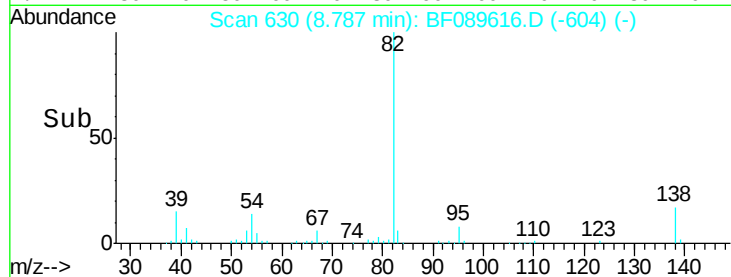
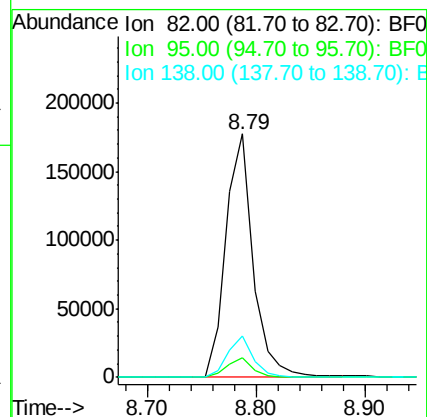
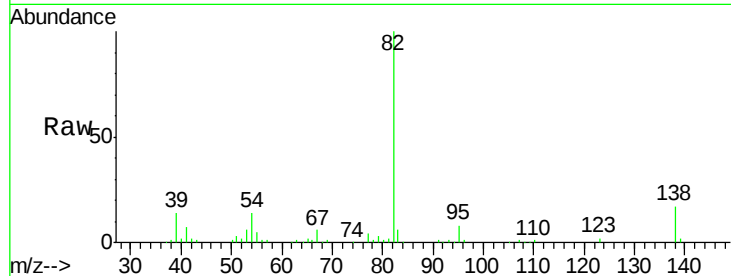
82 100

95 7.8 5.8 8.8

138 16.8 12.6 18.8

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#26

2-Nitrophenol

Concen: 43.62 ng

RT: 8.89 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF089616.D

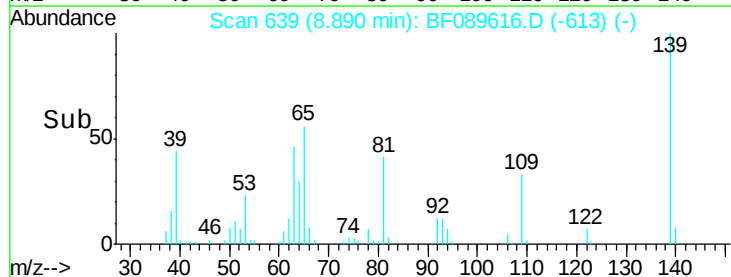
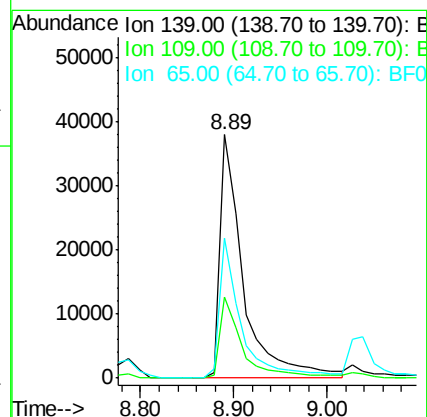
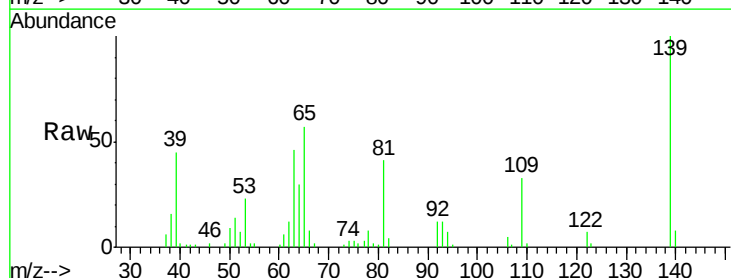
Acq: 5 Aug 2016 6:57

Tgt Ion:139 Resp: 66189
Ion Ratio Lower Upper

139 100

109 33.5 27.5 41.3

65 57.2 45.7 68.5





#27

2,4-Dimethylphenol

Concen: 39.49 ng

RT: 9.04 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

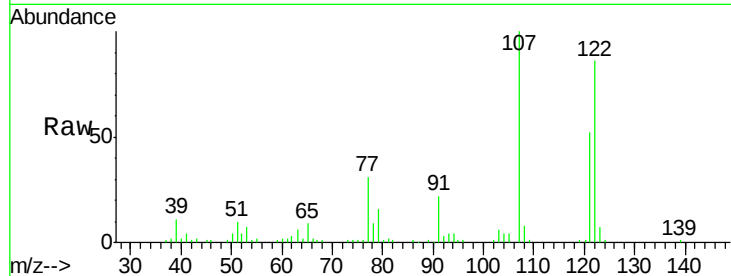
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	107732		
107	115.8	99.5	149.3	
121	59.7	48.5	72.7	

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM

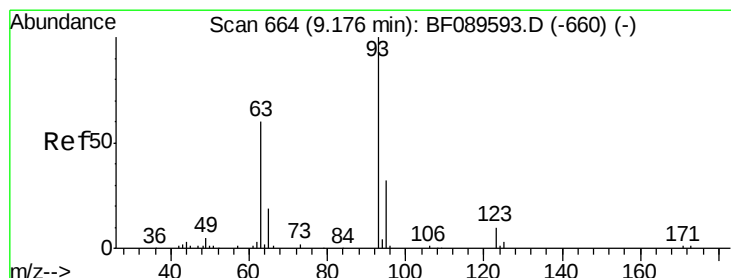
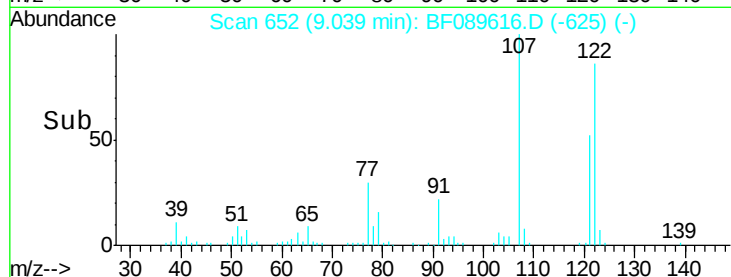
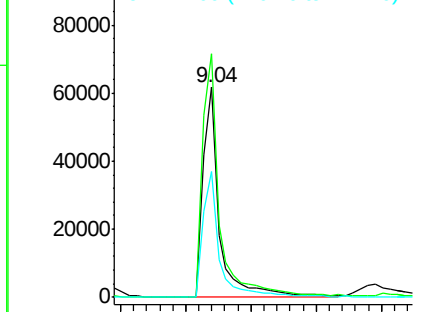


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.81 ng

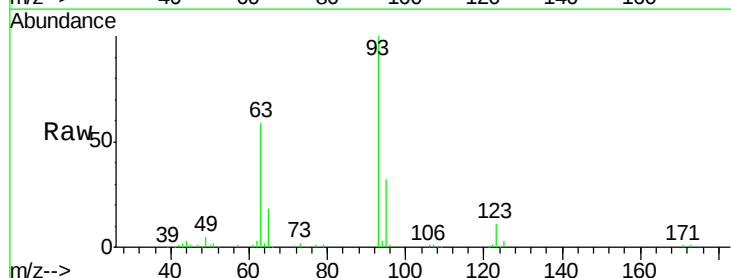
RT: 9.18 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	184748		
95	32.0	25.8	38.8	
123	10.6	8.0	12.0	

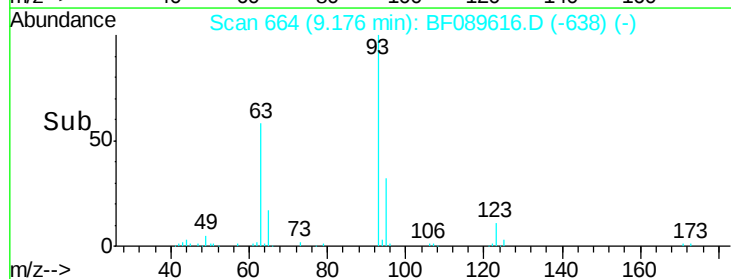
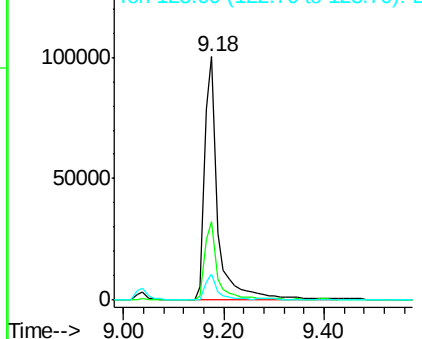


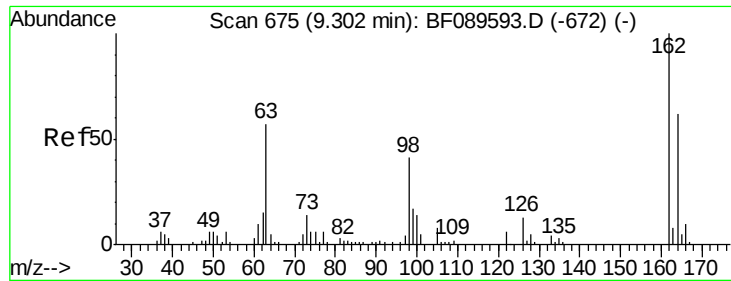
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





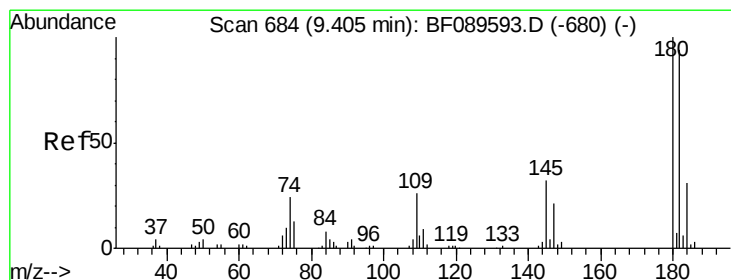
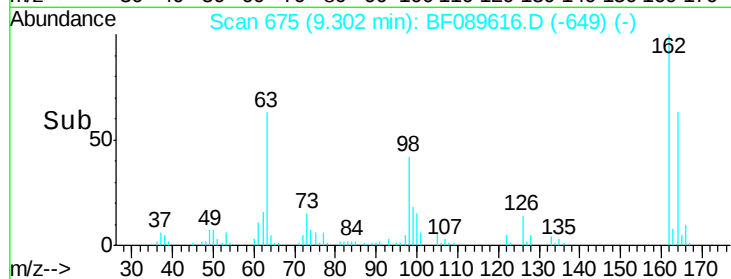
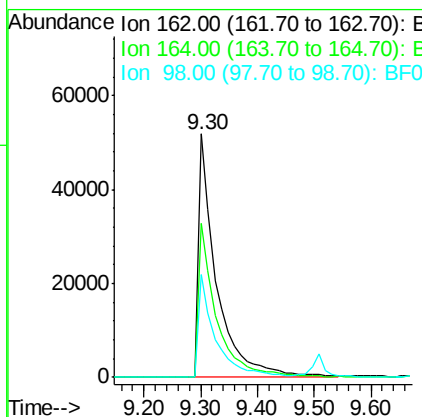
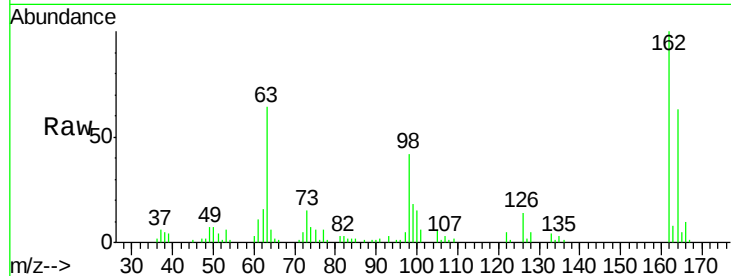
#29
 2,4-Dichlorophenol
 Concen: 43.31 ng
 RT: 9.30 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion:	162	Resp:	111815
Ion Ratio	Lower	Upper	
162	100		
164	63.3	42.3	82.3
98	42.3	21.2	61.2

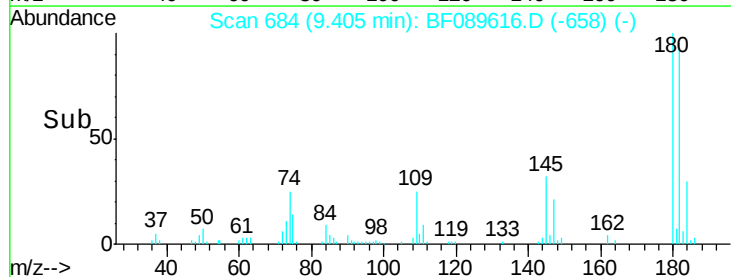
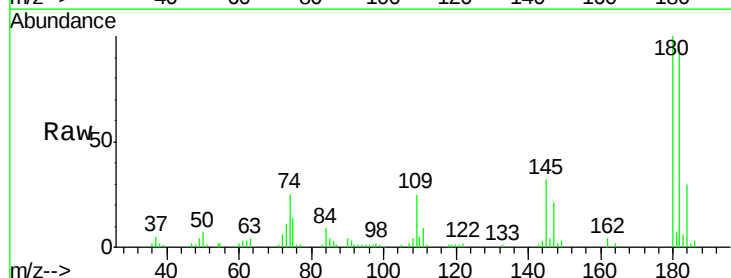
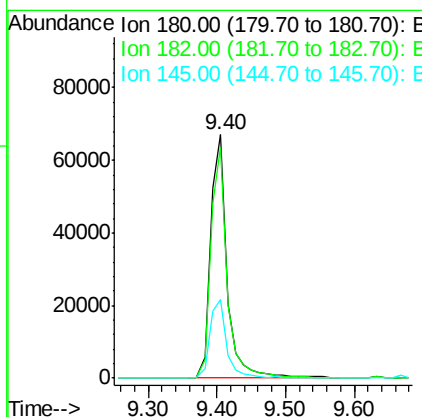
Manual Integrations
 APPROVED

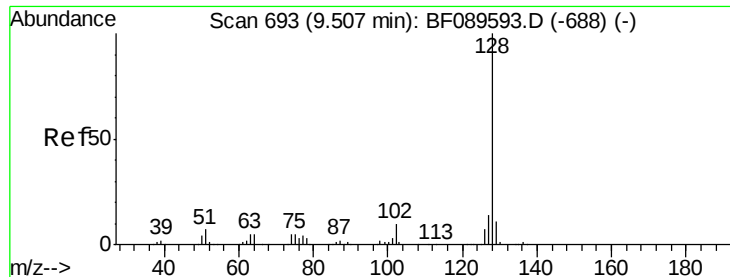
sohil
 8/5/2016 6:58:58 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.20 ng
 RT: 9.40 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion:	180	Resp:	112633
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.0	112.6
145	32.0	25.6	38.4





#31

Naphthalene

Concen: 40.06 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

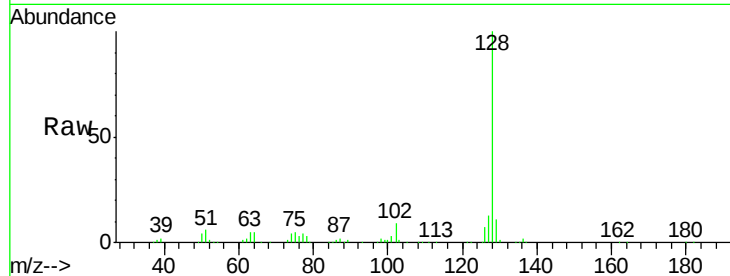
ClientSampleId :

GW-64-9.0-15.0MS

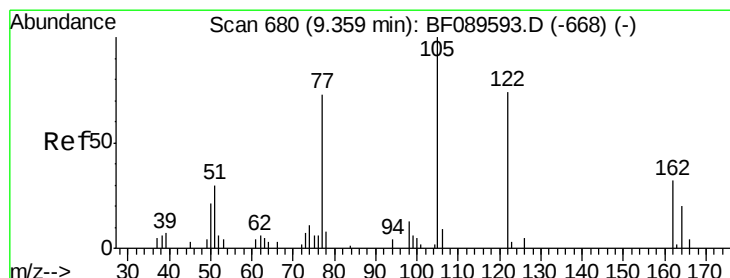
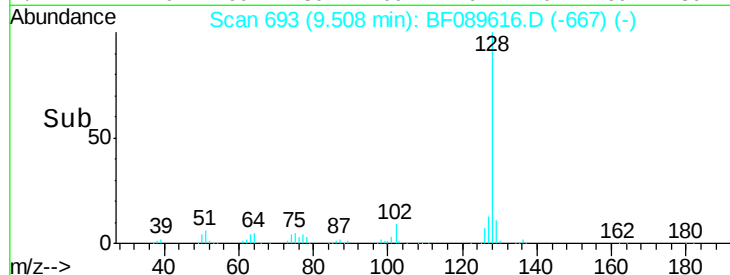
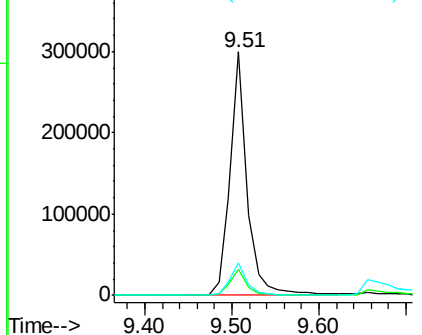
Tot Ion	128	Resp	409986
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.7	13.1
127	13.2	10.9	16.3

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 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



#32

Benzoic acid

Concen: 7.11 ng

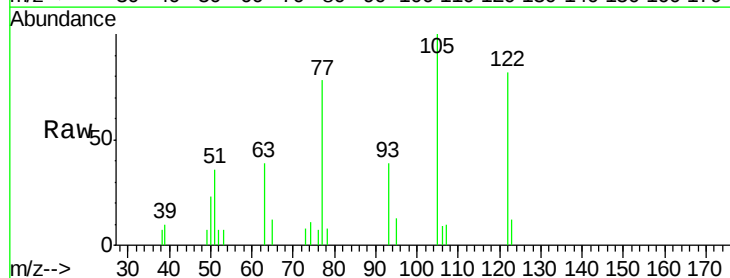
RT: 9.29 min Scan# 674

Delta R.T. -0.07 min

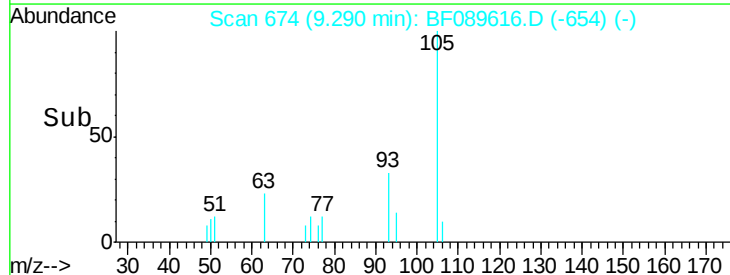
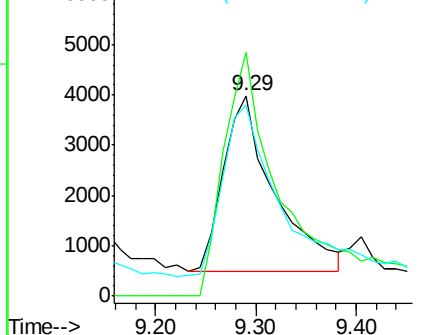
Lab File: BF089616.D

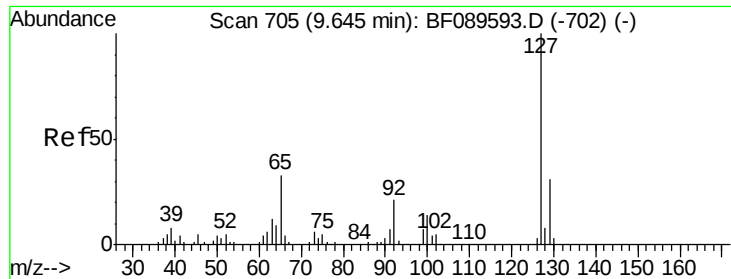
Acq: 5 Aug 2016 6:57

Tgt Ion	122	Resp	12192
Ion Ratio	Lower	Upper	
122	100		
105	121.5	109.9	149.9
77	95.2	77.5	117.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





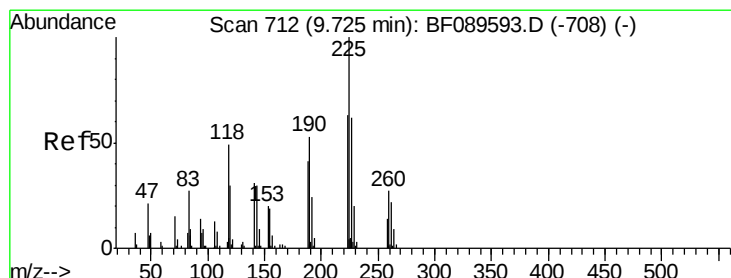
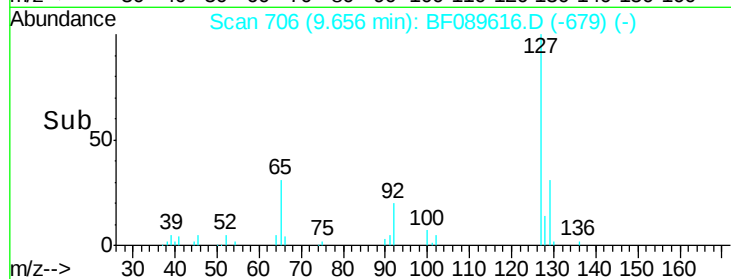
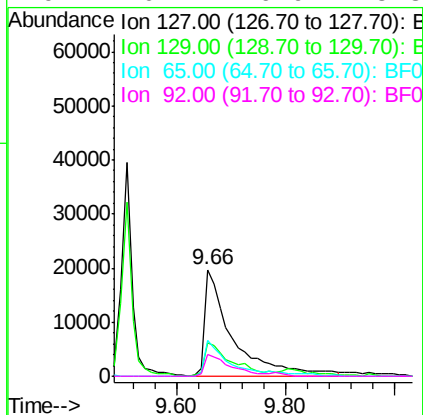
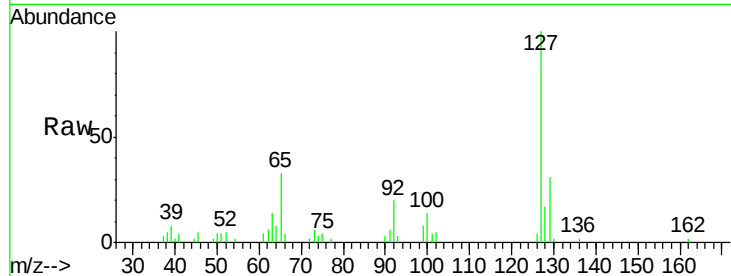
#33
 4-Chloroaniline
 Concen: 18.23 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70053	127	100			
	129	30.9		25.1	37.7
	65	33.2		26.2	39.2
	92	20.2		16.9	25.3

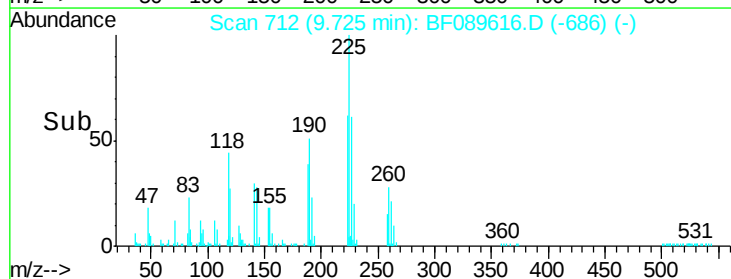
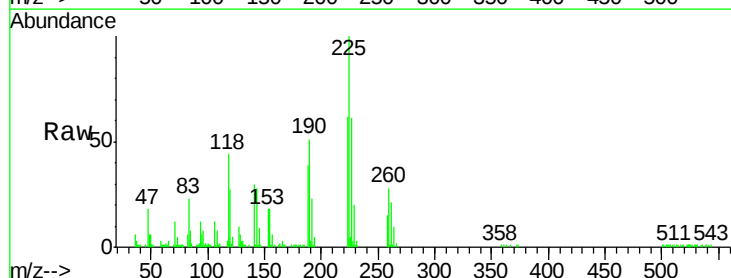
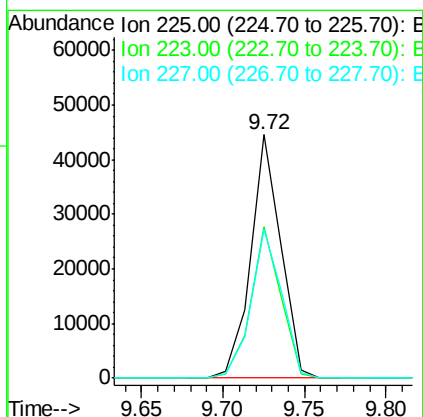
Manual Integrations
 APPROVED

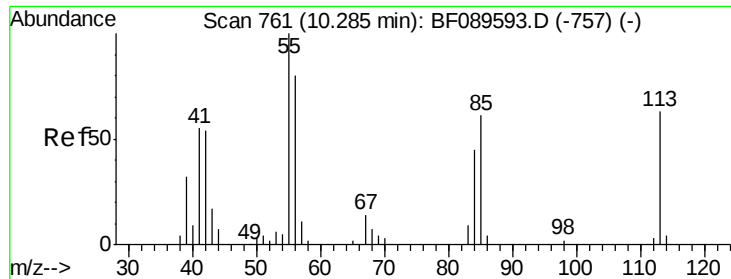
sohil
 8/5/2016 6:58:58 PM



#34
 Hexachlorobutadiene
 Concen: 33.54 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56949	225	100			
	223	62.1		50.7	76.1
	227	61.2		49.4	74.0





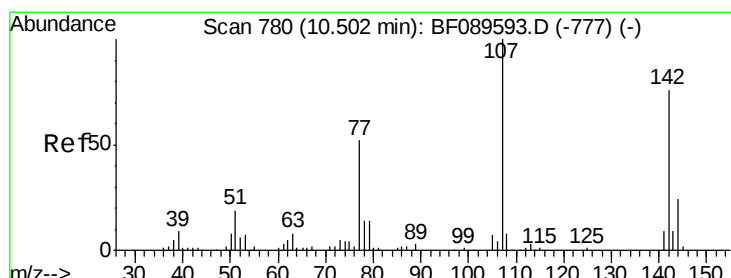
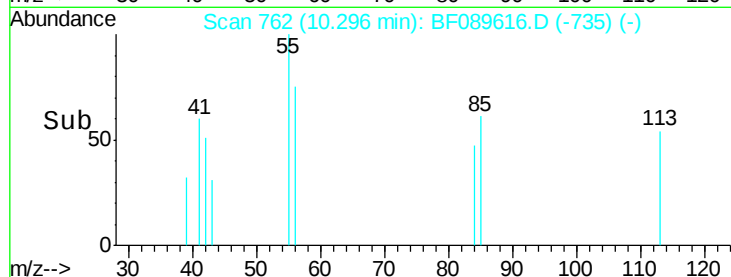
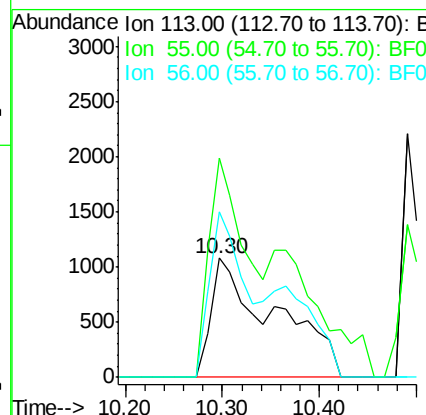
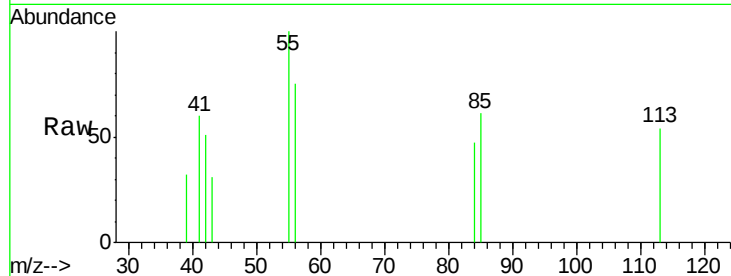
#35
Caprolactam
Concen: 6.53 ng/ml
RT: 10.30 min Scan# 762
Delta R.T. 0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion: 113 Resp: 4916
Ion Ratio Lower Upper
113 100
55 184.3 139.6 179.6#
56 138.9 108.2 148.2

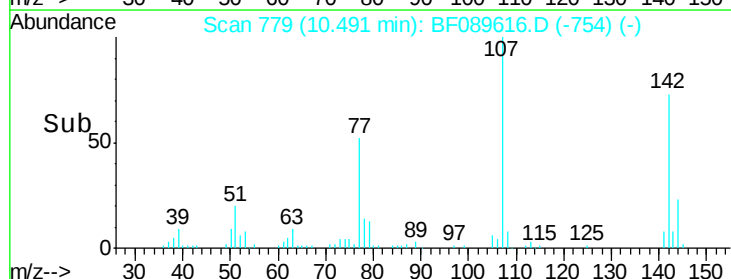
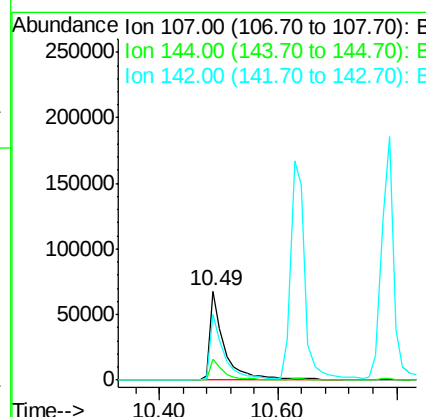
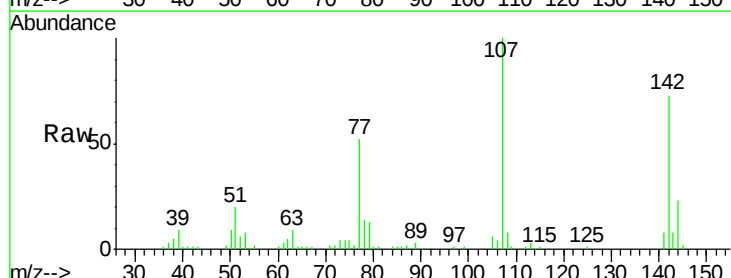
Manual Integrations
APPROVED

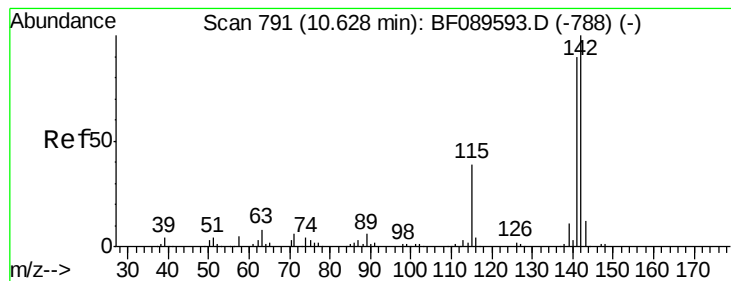
sohil
8/5/2016 6:58:58 PM



#36
4-Chloro-3-methylphenol
Concen: 39.19 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion: 107 Resp: 117592
Ion Ratio Lower Upper
107 100
144 22.8 18.9 28.3
142 73.0 60.4 90.6





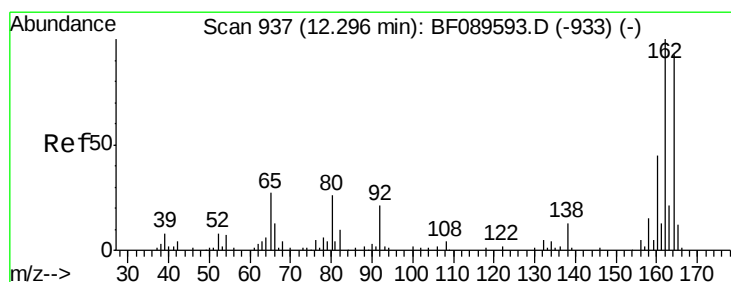
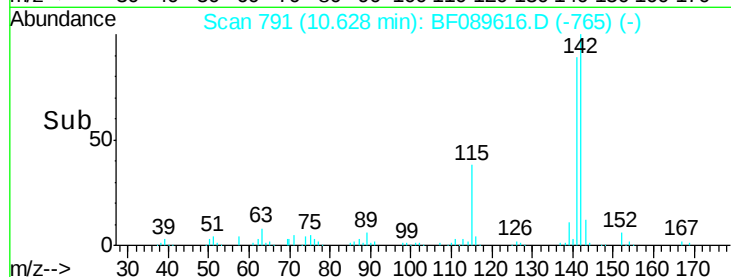
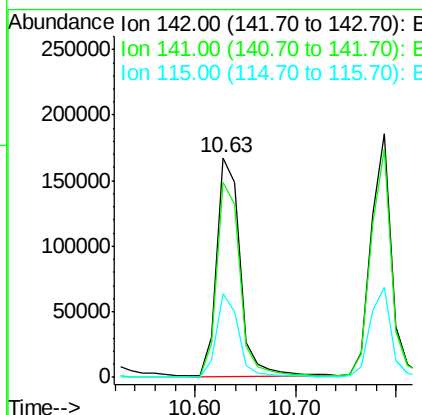
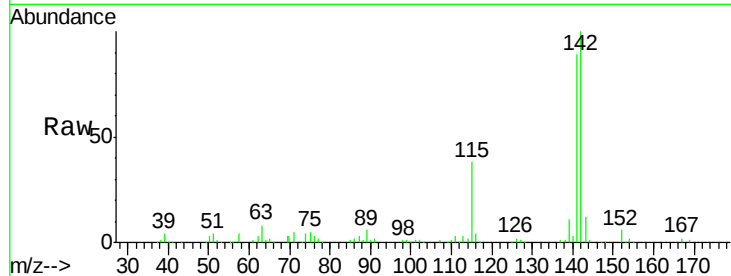
#37
2-Methylnaphthalene
Concen: 42.87 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.8	107.6
115	38.2	31.0	46.4

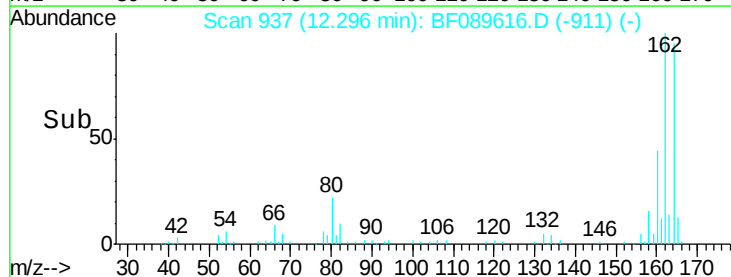
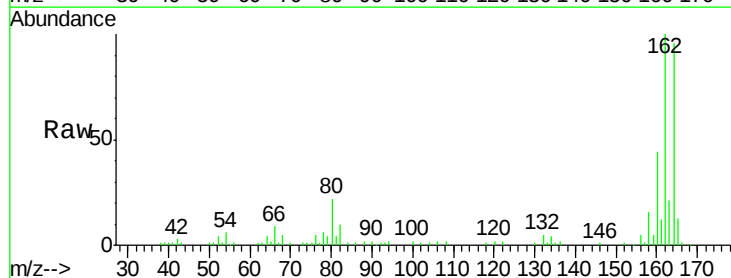
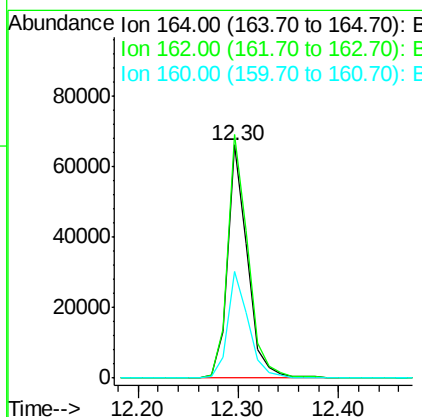
Manual Integrations
APPROVED

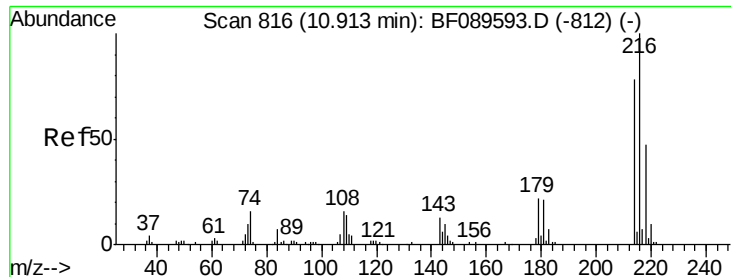
sohil
8/5/2016 6:58:58 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.7	128.5
160	45.9	38.2	57.4





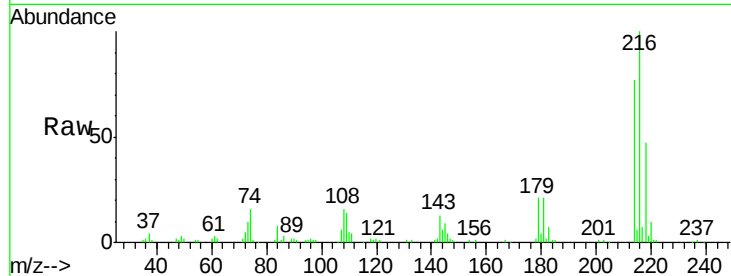
#39
1,2,4,5-Tetrachlorobenzene
Concen: 32.41 ng
RT: 10.91 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

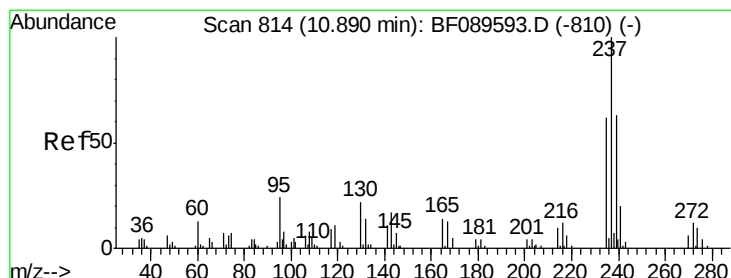
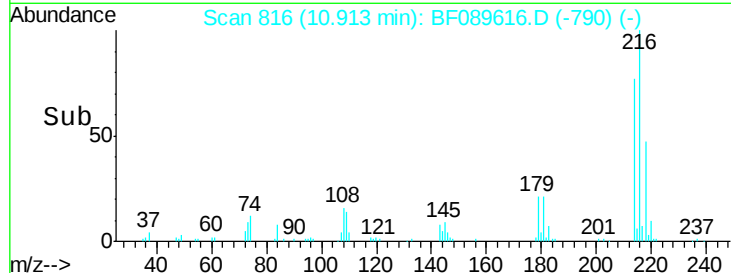
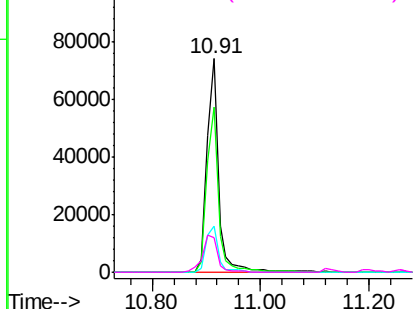
Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.1	62.6	94.0	
179	22.8	17.8	26.8	
108	22.1	16.3	24.5	

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM

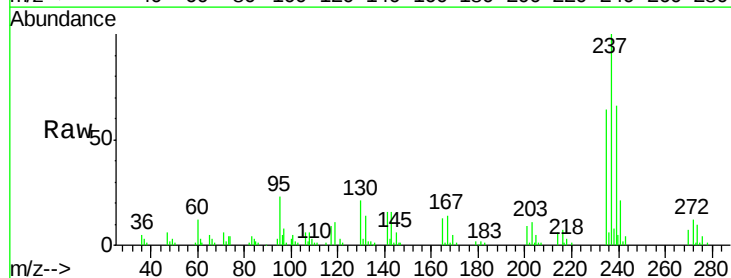


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

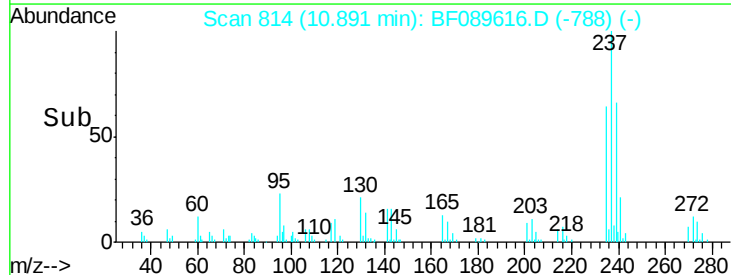
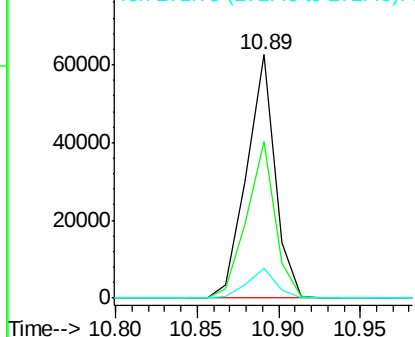


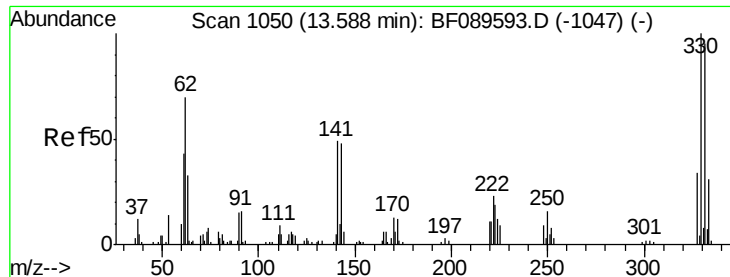
#40
Hexachlorocyclopentadiene
Concen: 66.34 ng
RT: 10.89 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	64.3	41.9	81.9	
272	12.3	0.0	32.4	



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





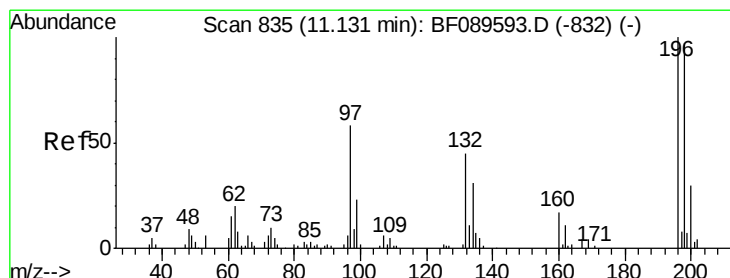
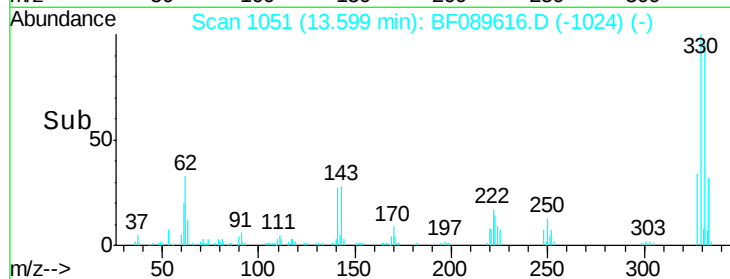
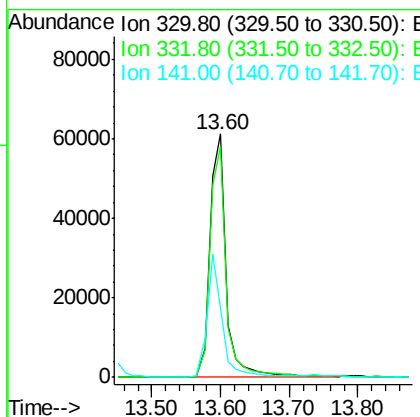
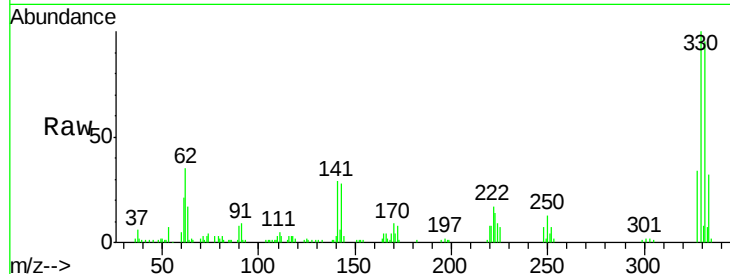
#41
 2,4,6-Tribromophenol
 Concen: 136.50 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	101812		
332	96.0	77.0	115.6	
141	47.2	38.6	57.8	

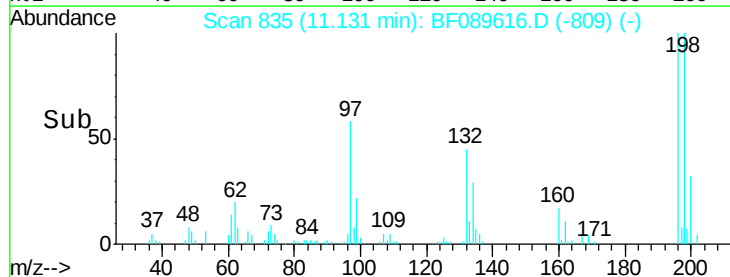
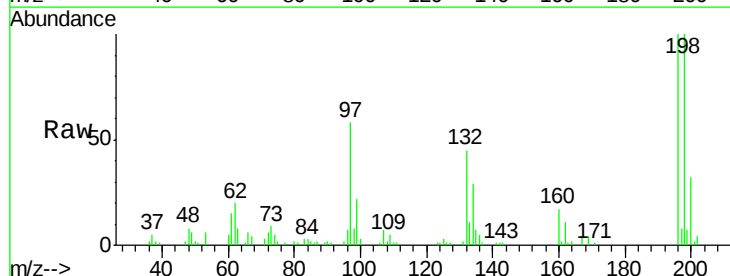
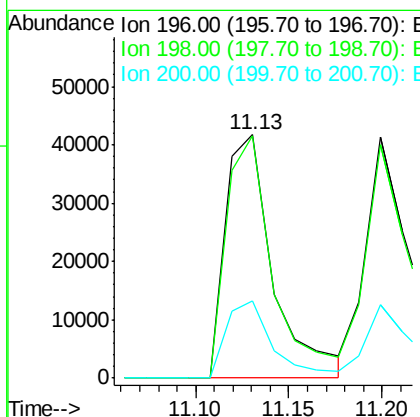
Manual Integrations
 APPROVED

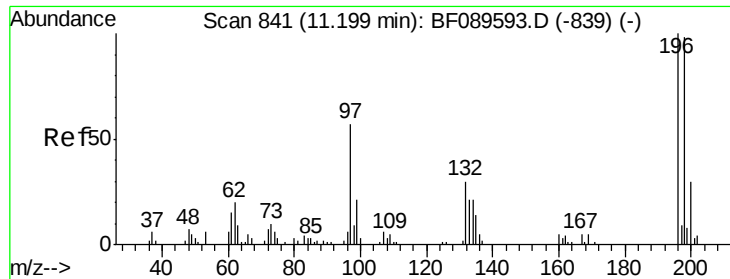
sohil
 8/5/2016 6:58:58 PM



#42
 2,4,6-Trichlorophenol
 Concen: 44.65 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	74819		
198	99.8	77.6	116.4	
200	31.8	23.8	35.8	





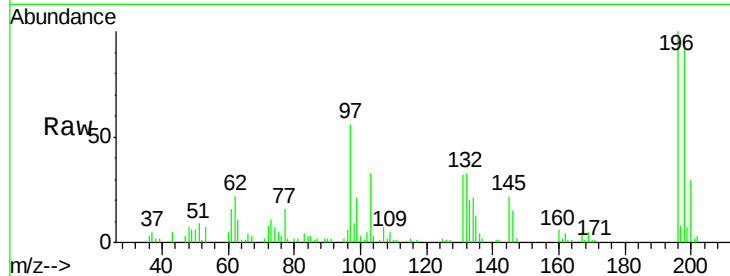
#43
 2,4,5-Trichlorophenol
 Concen: 45.65 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

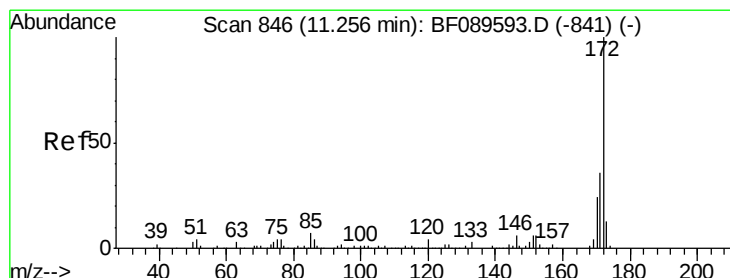
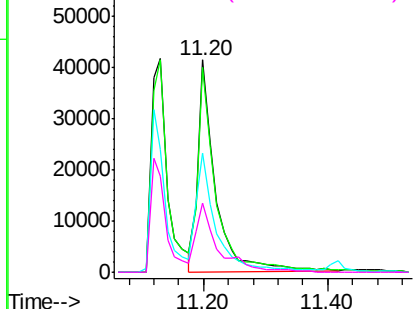
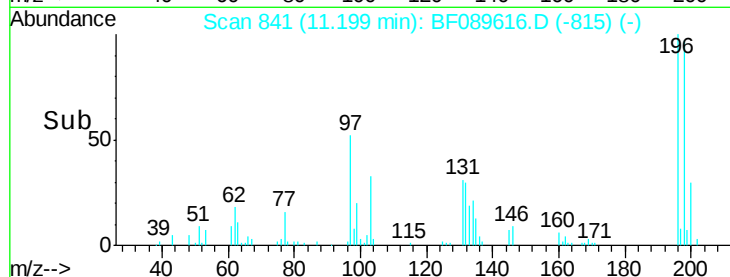
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		81757		
198	96.8		77.8	116.6	
97	56.4		45.8	68.6	
132	32.8		25.1	37.7	

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:58 PM

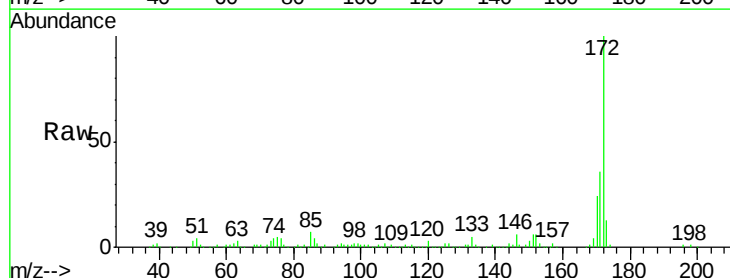


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

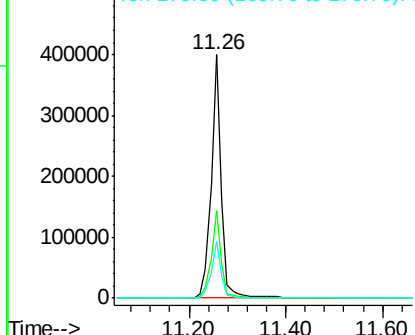
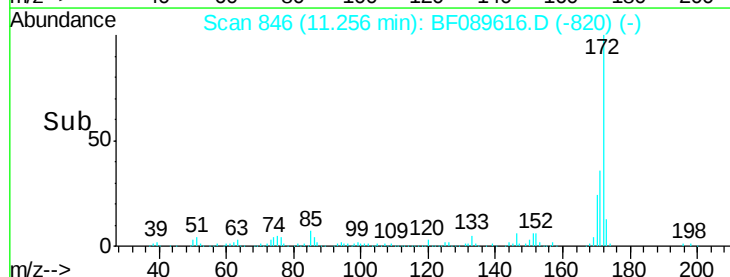


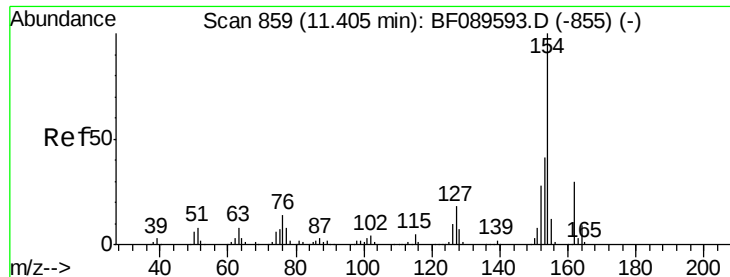
#44
 2-Fluorobiphenyl
 Concen: 85.39 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		593864		
171	35.7		28.9	43.3	
170	23.6		19.0	28.6	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





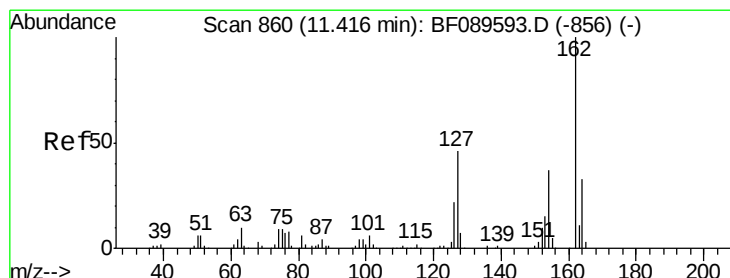
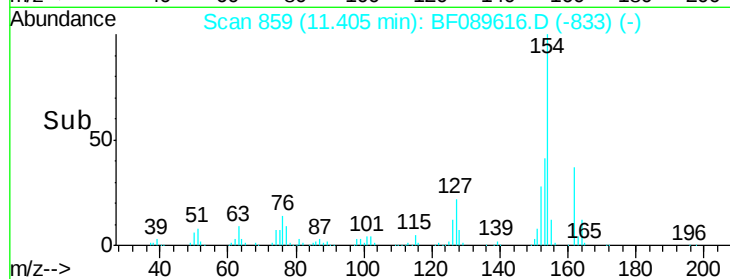
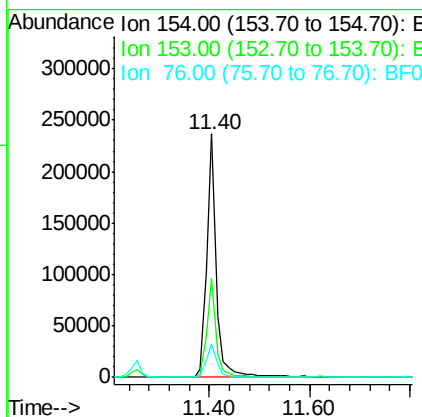
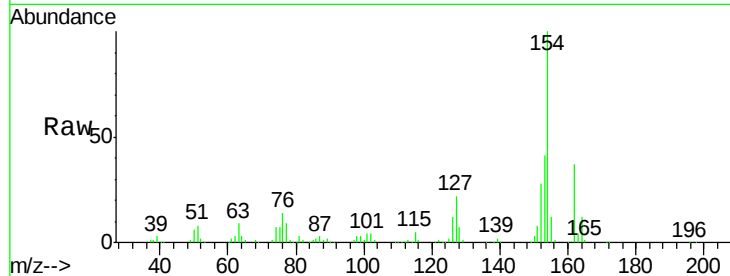
#45
 1,1'-Biphenyl
 Concen: 38.84 ng
 RT: 11.40 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.8	0.0	33.7

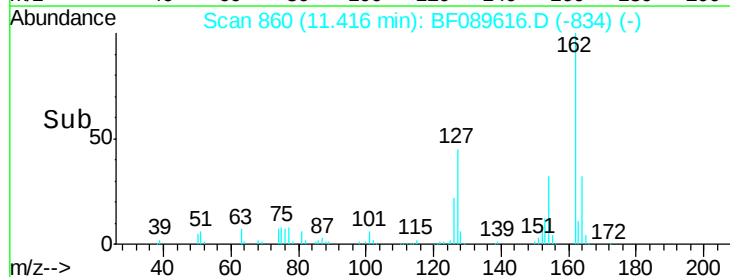
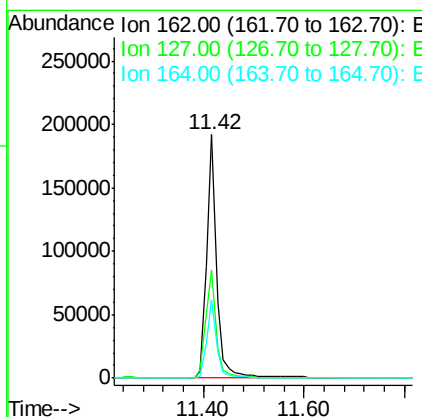
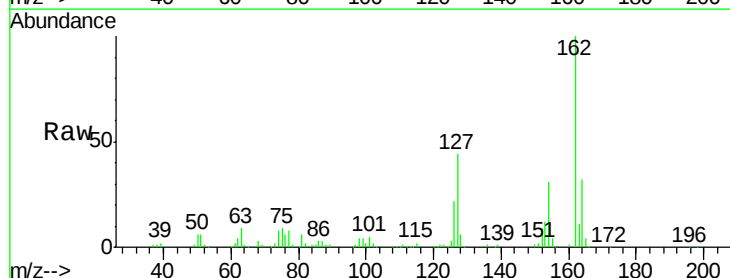
Manual Integrations
 APPROVED

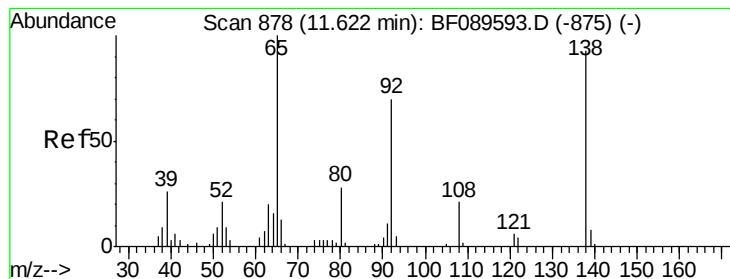
sohil
 8/5/2016 6:58:58 PM



#46
 2-Chloronaphthalene
 Concen: 43.85 ng
 RT: 11.42 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.4	36.6	54.8
164	32.0	26.8	40.2





#47

2-Nitroaniline

Concen: 45.72 ng

RT: 11.62 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

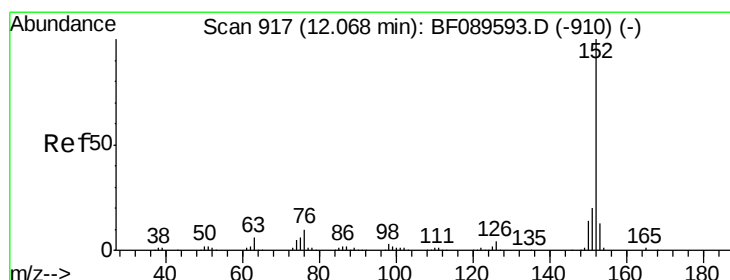
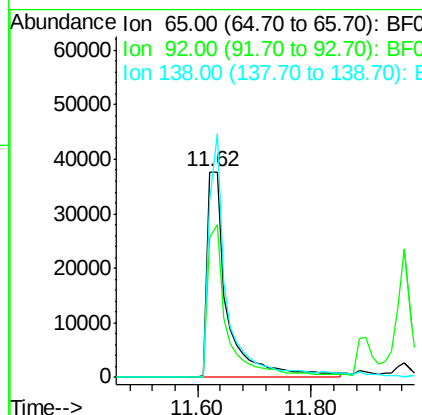
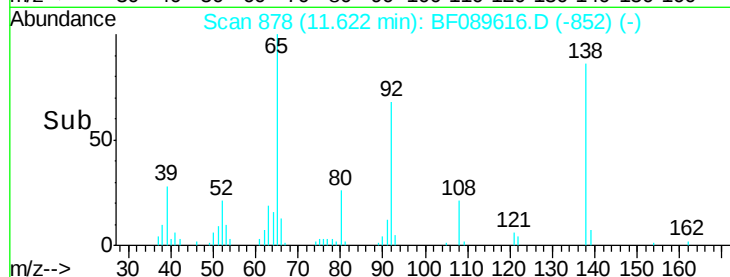
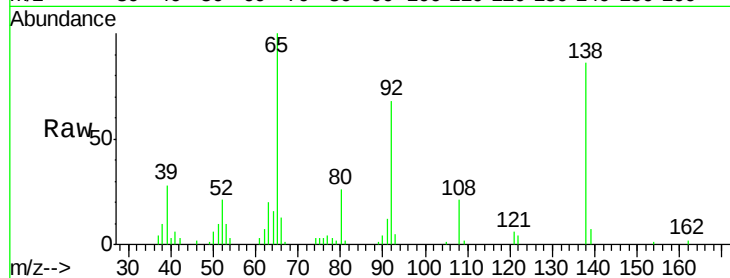
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion:	65	Resp:	90065
Ion Ratio	Lower	Upper	
65	100		
92	67.9	56.3	84.5
138	86.4	74.3	111.5

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#48

Acenaphthylene

Concen: 43.25 ng

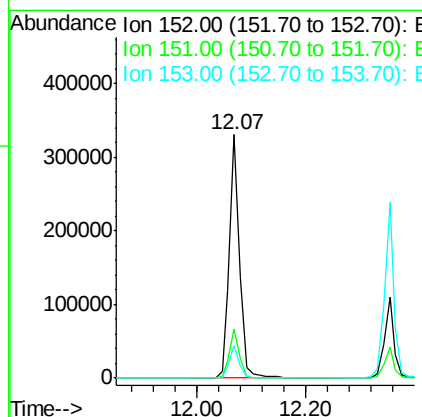
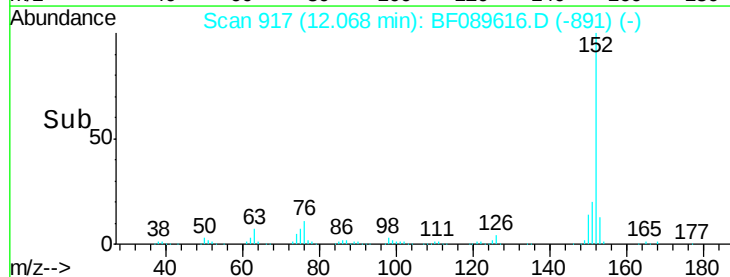
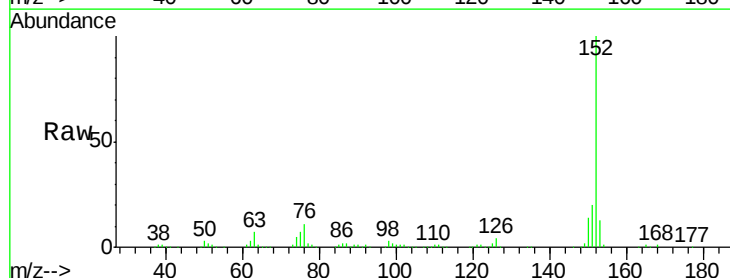
RT: 12.07 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	152	Resp:	435398
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	13.1	10.5	15.7





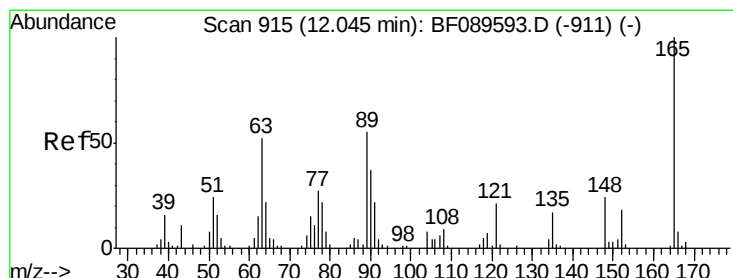
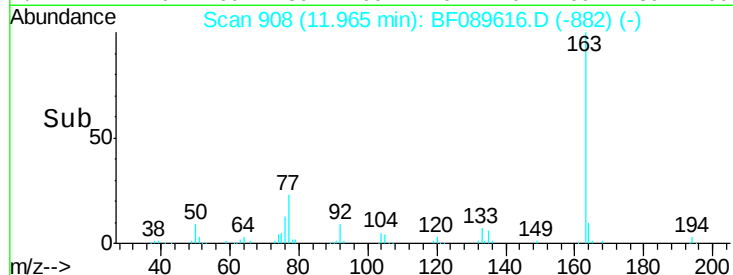
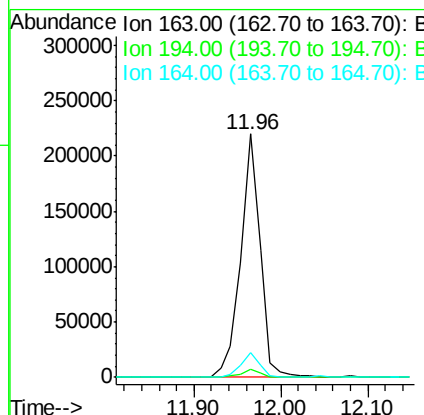
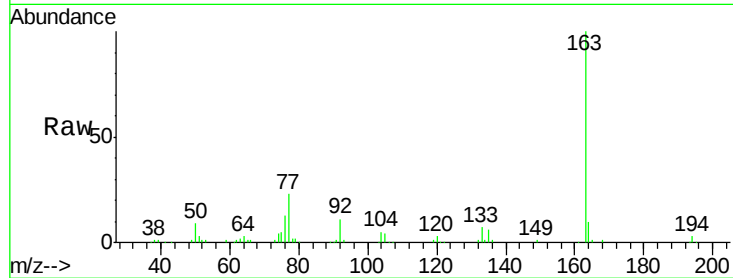
#49
Dimethylphthalate
Concen: 48.54 ng
RT: 11.96 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	343880		
194	3.2		2.7	4.1
164	10.1		7.8	11.6

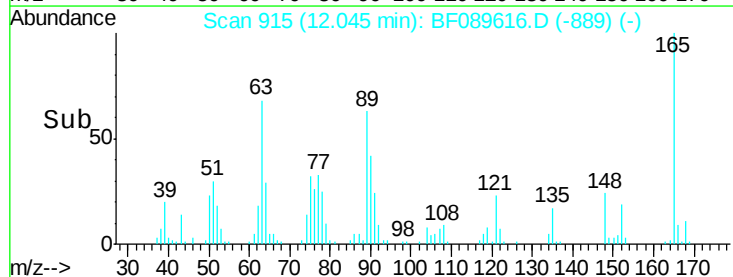
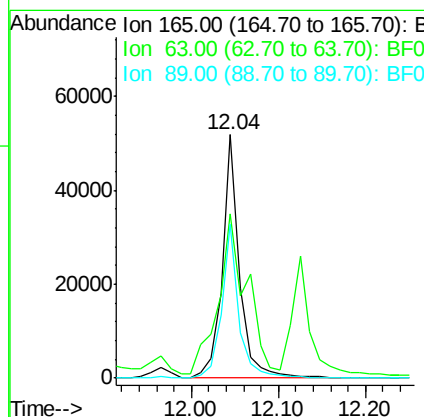
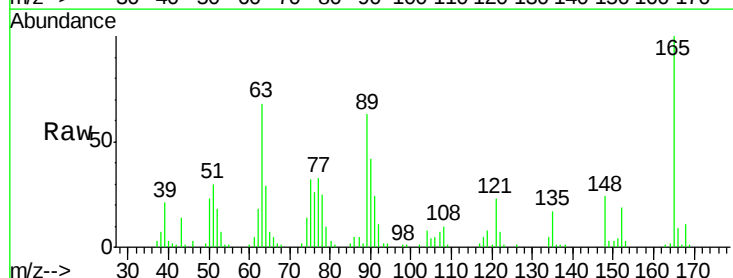
Manual Integrations
APPROVED

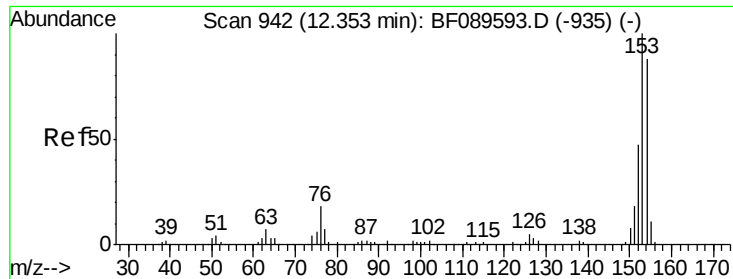
sohil
8/5/2016 6:58:58 PM



#50
2,6-Dinitrotoluene
Concen: 51.28 ng
RT: 12.04 min Scan# 915
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	72224		
63	67.5		44.6	67.0#
89	63.4		44.2	66.2





#51

Acenaphthene

Concen: 44.14 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

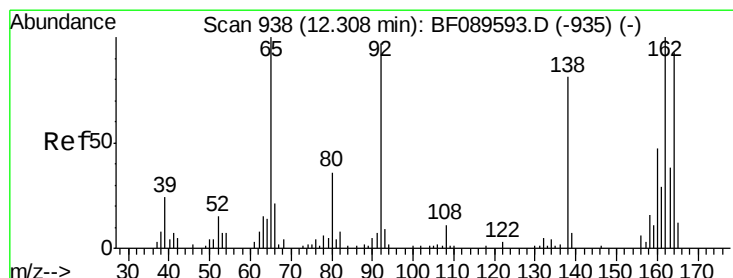
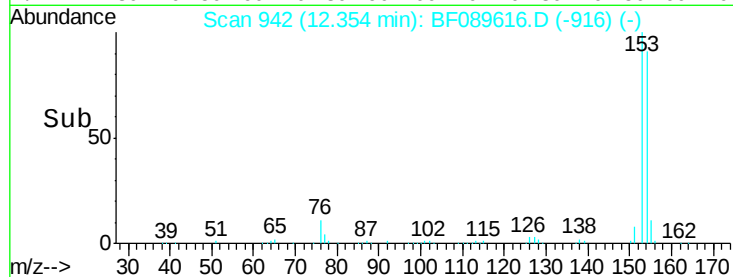
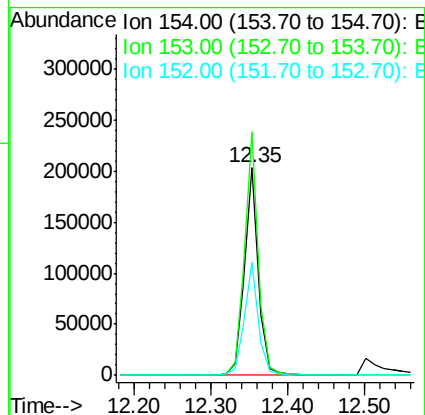
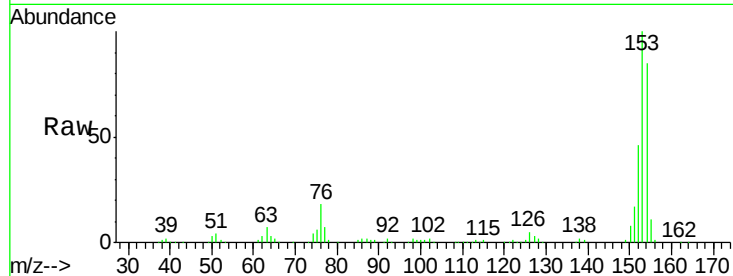
ClientSampleId :

GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.4	91.1	136.7
152	54.5	43.5	65.3

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#52

3-Nitroaniline

Concen: 23.68 ng

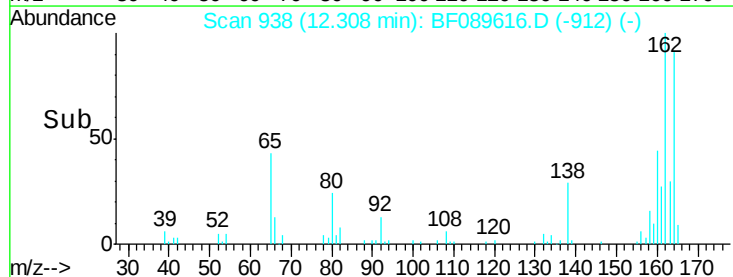
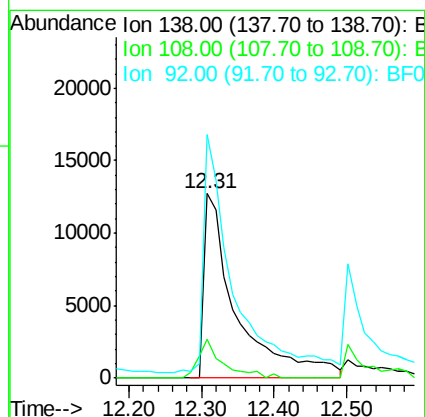
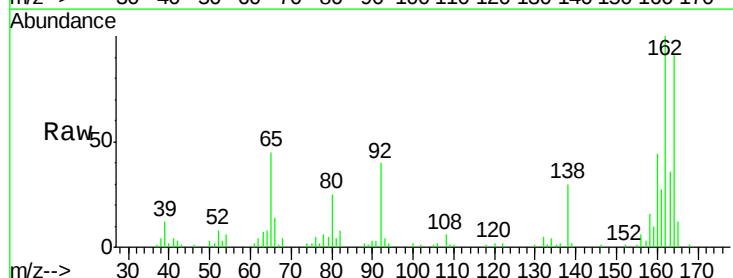
RT: 12.31 min Scan# 938

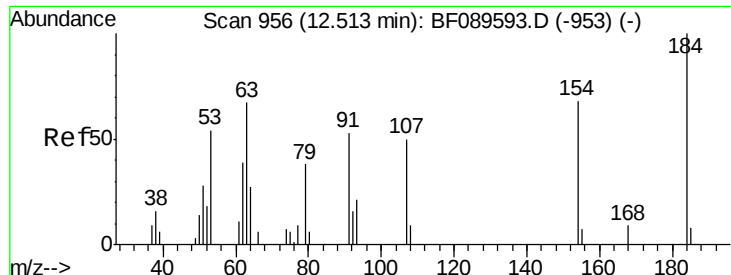
Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
138	100		
108	21.0	10.7	16.1#
92	131.9	96.6	145.0





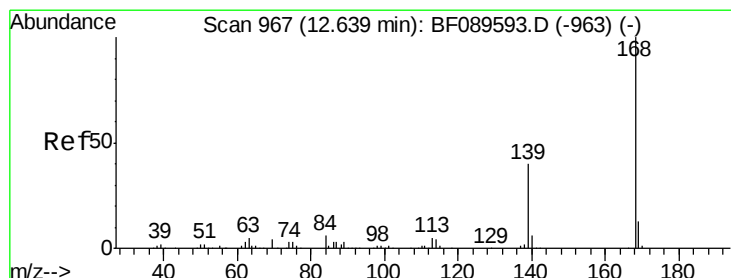
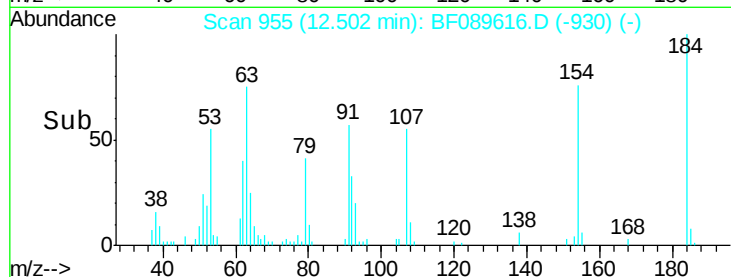
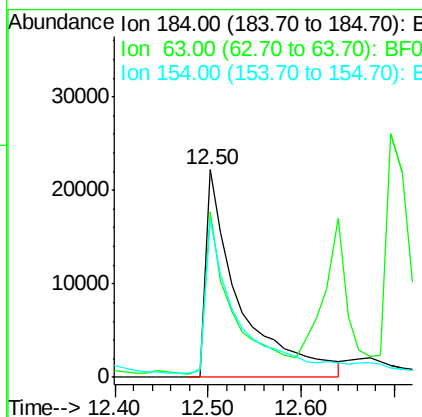
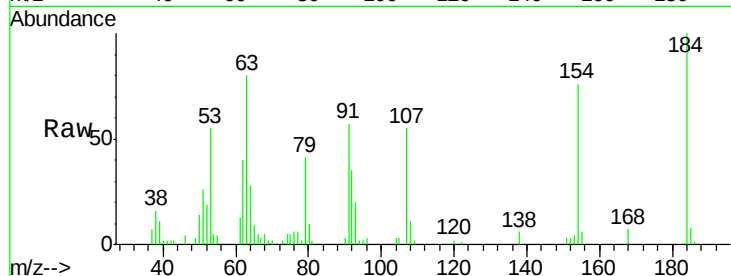
#53
 2,4-Dinitrophenol
 Concen: 86.87 ng
 RT: 12.50 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	56042		
63	79.6	59.0	88.6	
154	76.1	60.0	90.0	

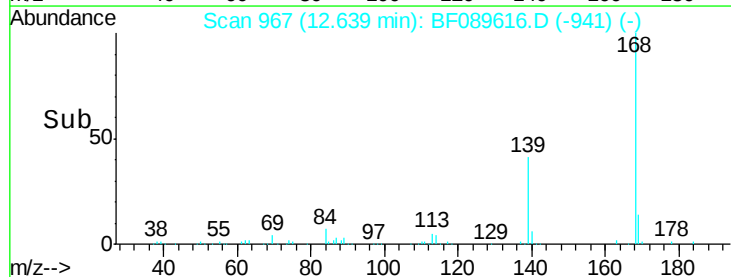
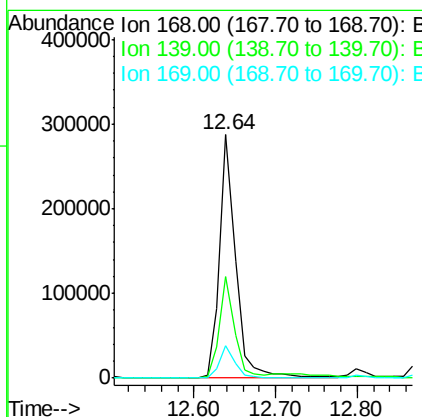
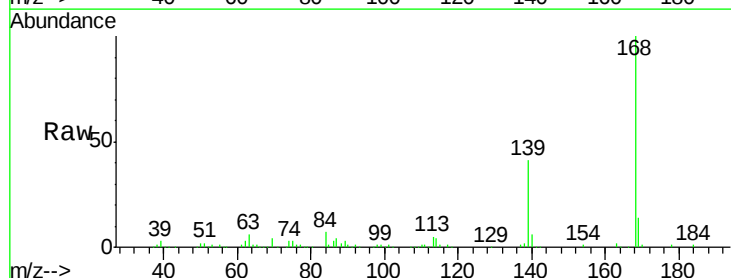
Manual Integrations
 APPROVED

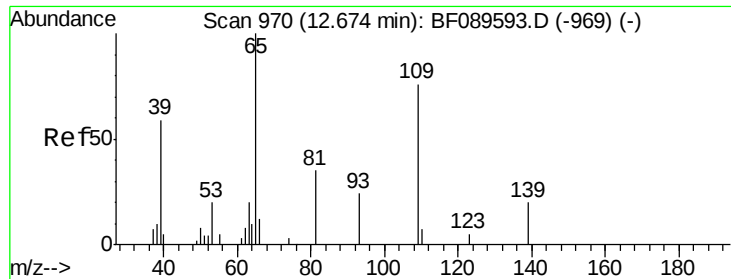
sohil
 8/5/2016 6:58:58 PM



#54
 Dibenzofuran
 Concen: 49.85 ng
 RT: 12.64 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	398436		
139	41.5	32.3	48.5	
169	13.5	10.6	15.8	





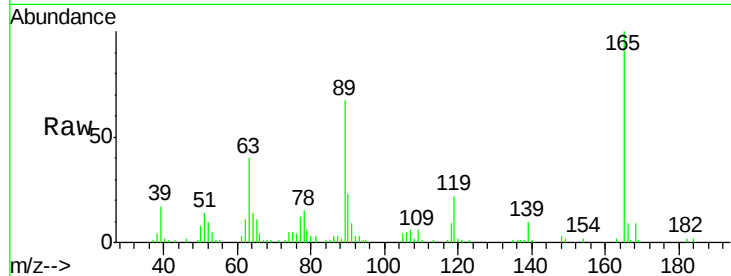
#55
4-Nitrophenol
Concen: 24.57 ng m
RT: 12.71 min Scan# 973
Delta R.T. 0.03 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

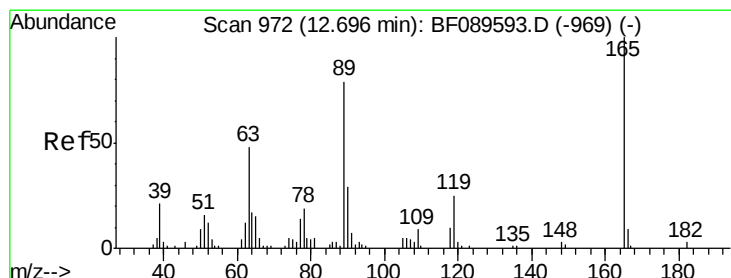
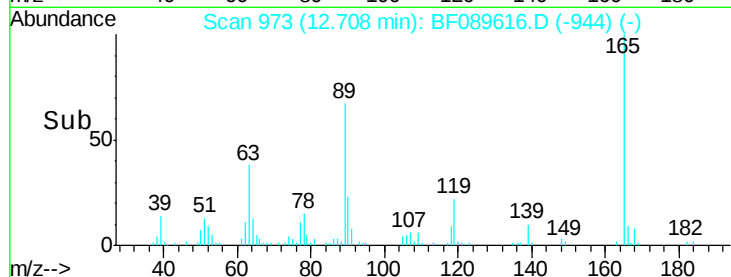
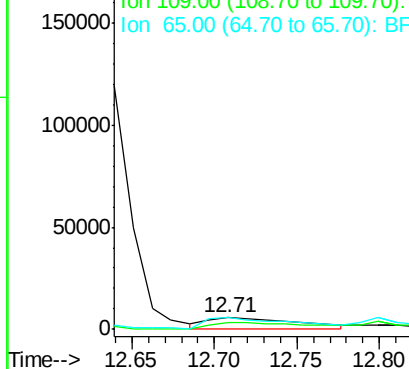
Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	56.1	28.9	68.9	
65	106.3	49.2	89.2#	

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



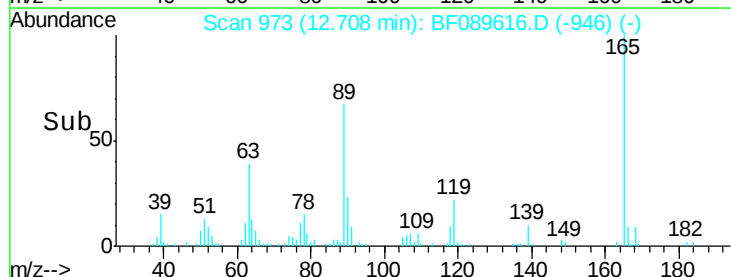
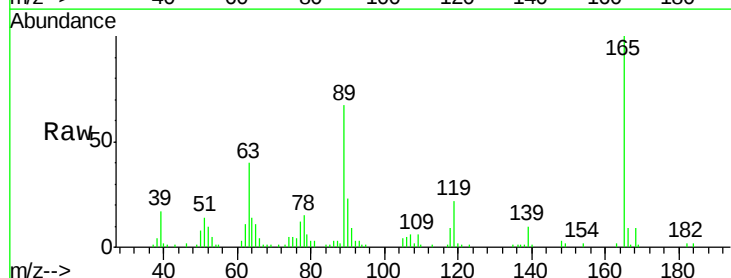
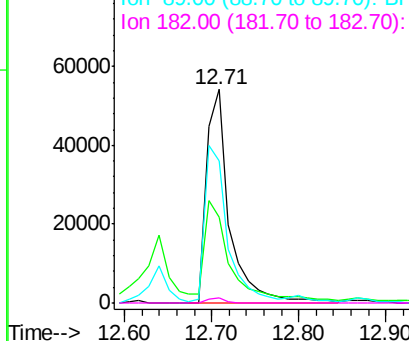
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

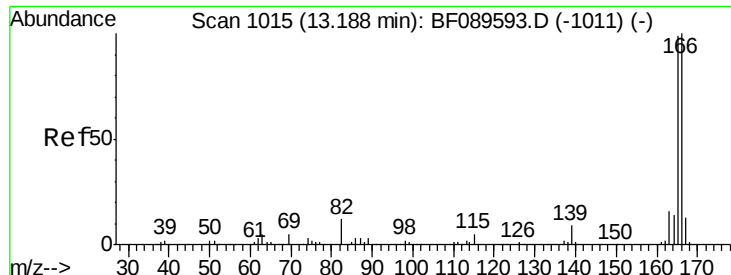


#56
2,4-Dinitrotoluene
Concen: 50.73 ng
RT: 12.71 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	40.4	42.2	63.4#	
89	66.7	64.4	96.6	
182	2.5	2.1	3.1	

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





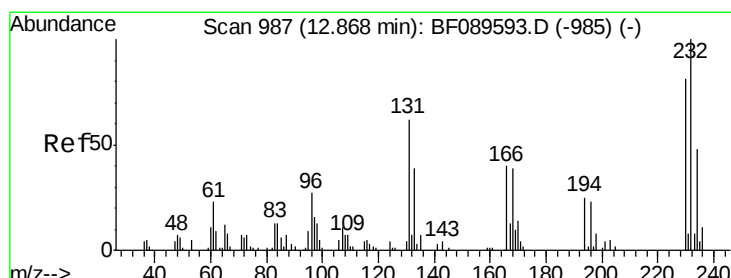
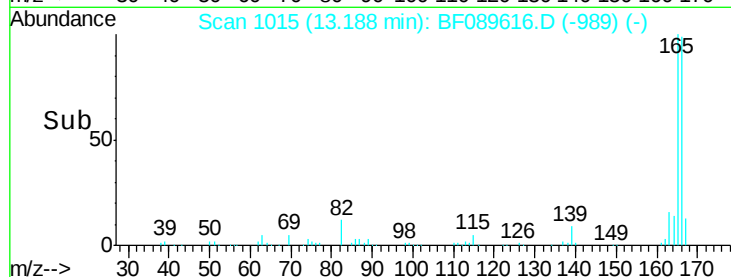
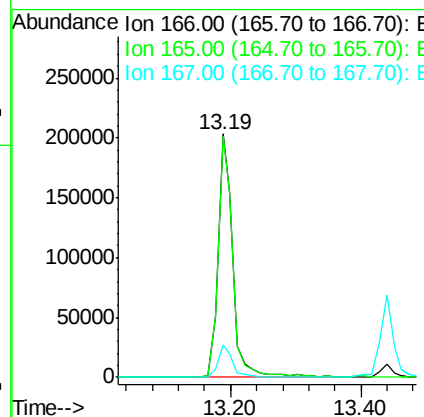
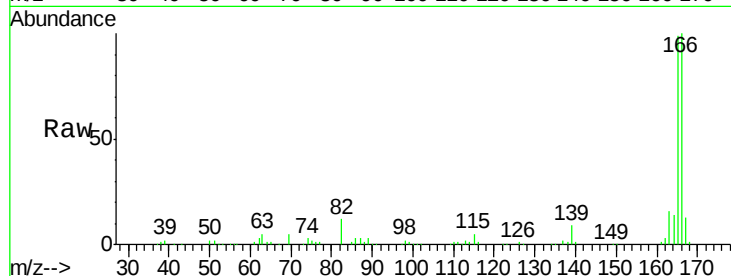
#57
Fluorene
 Concen: 47.53 ng
 RT: 13.19 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	99.1	78.9	118.3	
167	13.4	10.4	15.6	

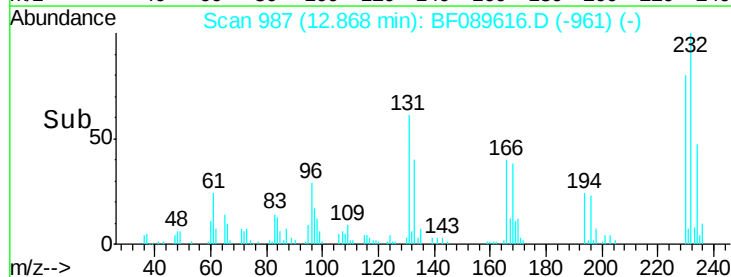
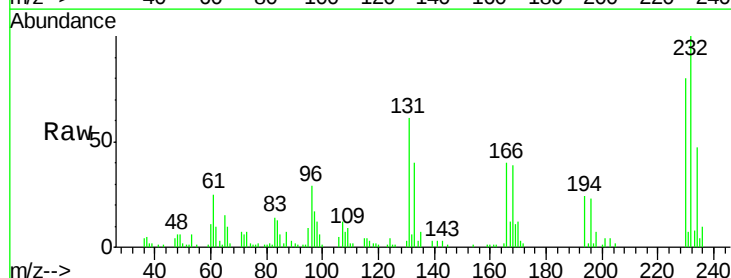
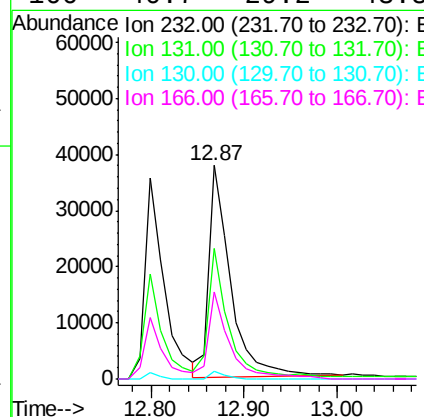
Manual Integrations
 APPROVED

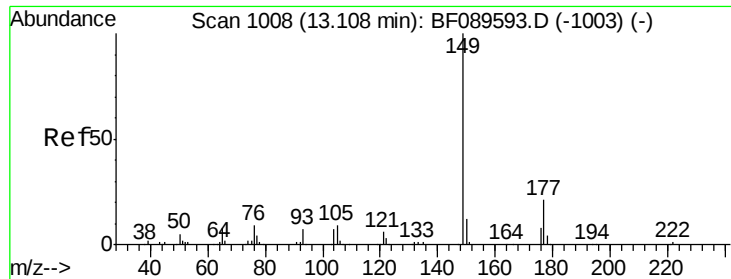
sohil
 8/5/2016 6:58:58 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 45.31 ng
 RT: 12.87 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ion	Ratio	Lower	Upper
232	100			
131	58.1	46.2	69.2	
130	2.5	1.7	2.5	
166	40.7	29.2	43.8	





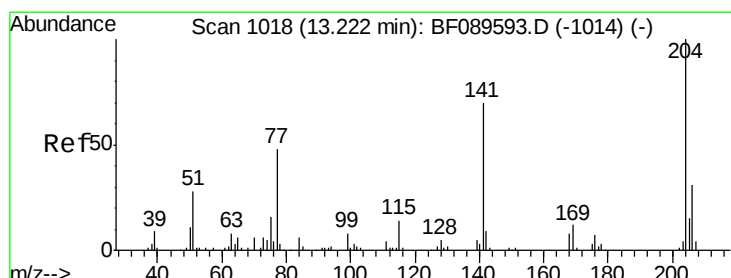
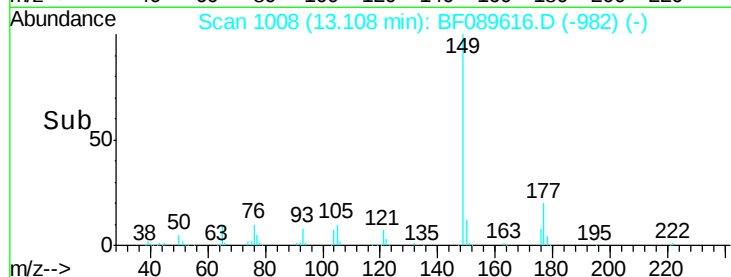
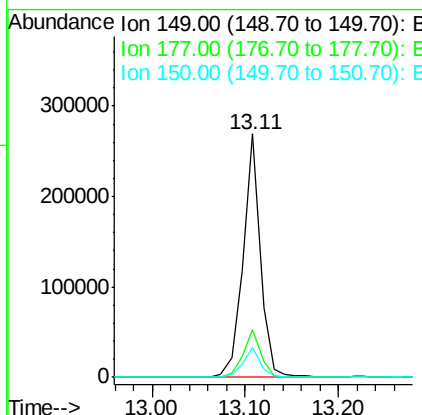
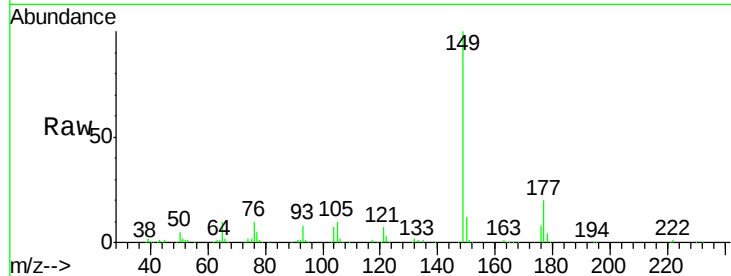
#59
Diethylphthalate
Concen: 47.77 ng
RT: 13.11 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampled :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	350009		
177	19.8		16.8	25.2
150	12.1		9.6	14.4

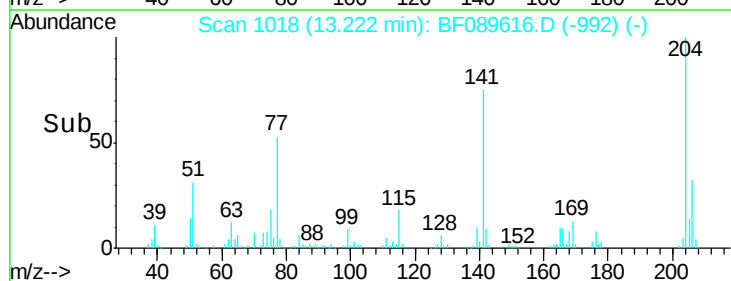
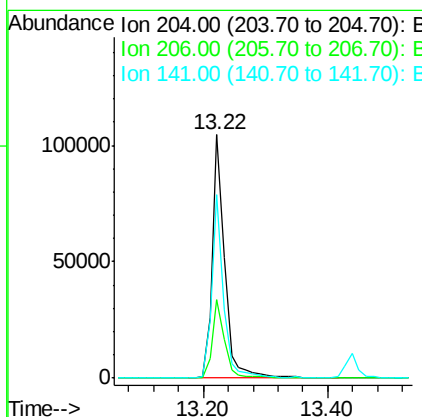
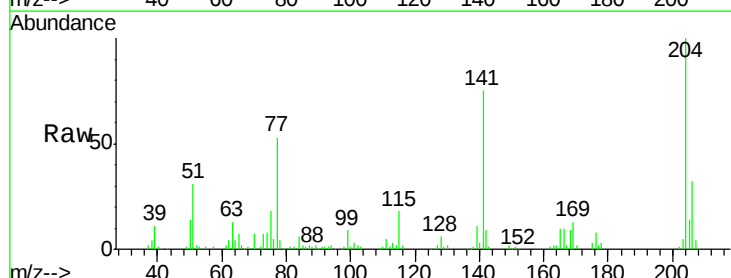
Manual Integrations
APPROVED

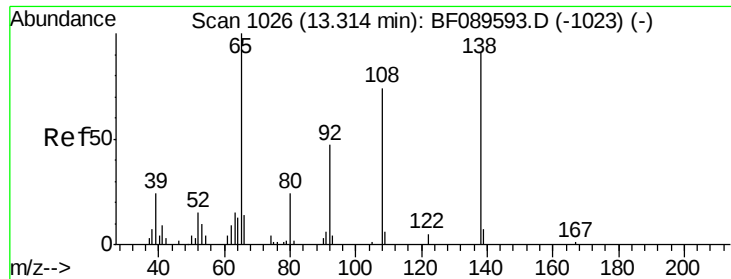
sohil
8/5/2016 6:58:58 PM



#60
4-Chlorophenyl-phenylether
Concen: 46.16 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	144622		
206	32.2		25.0	37.4
141	75.4		56.2	84.4





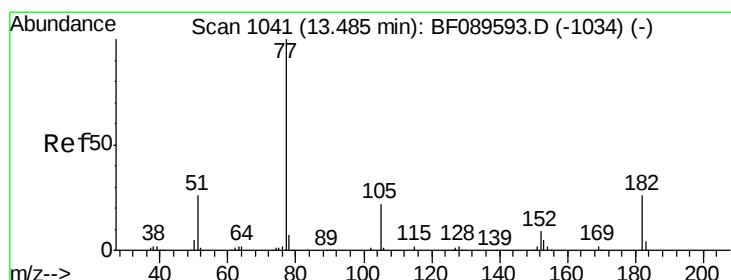
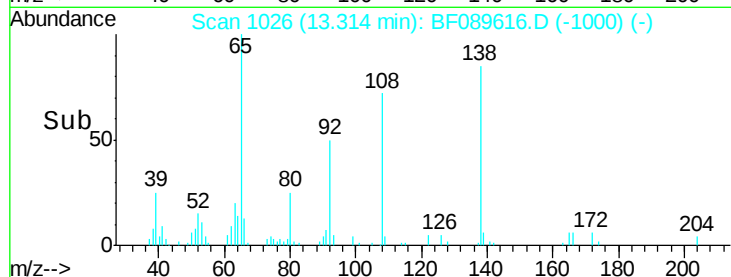
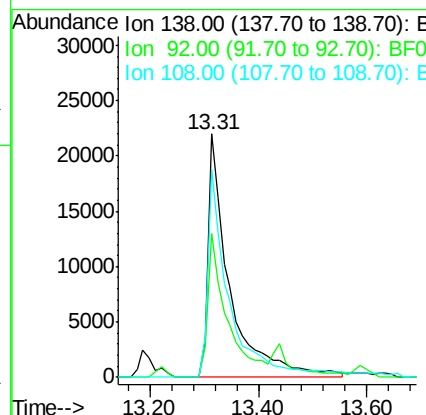
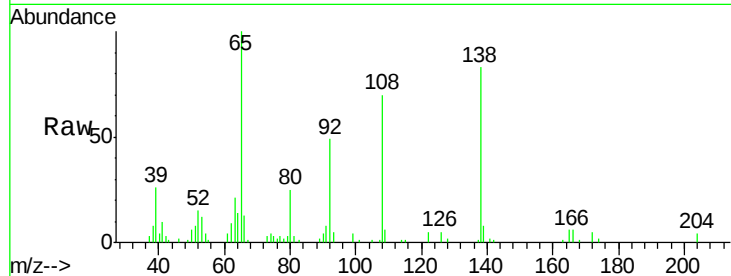
#61
4-Nitroaniline
Concen: 40.02 ng
RT: 13.31 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	58.9	31.6	71.6
108	85.2	61.5	101.5

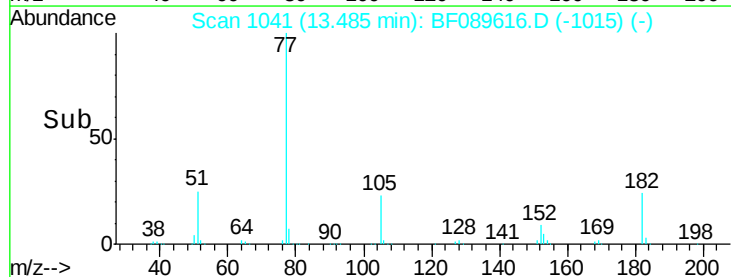
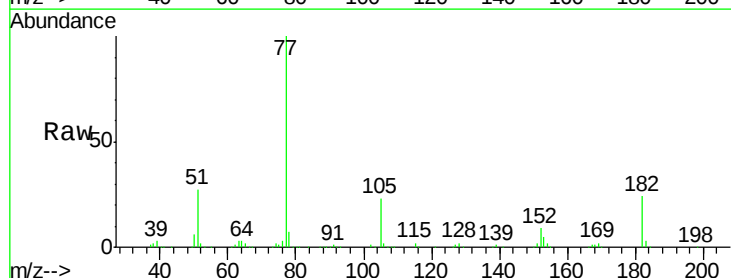
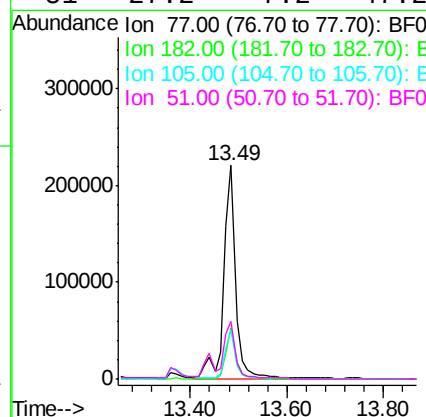
Manual Integrations
APPROVED

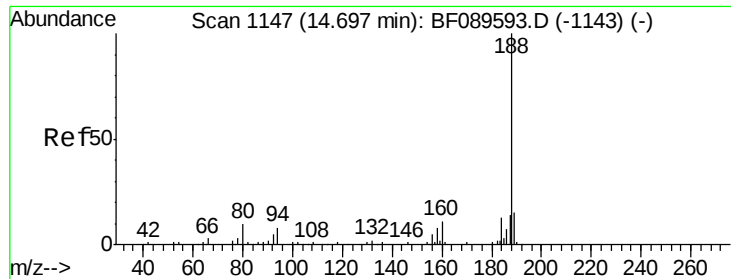
sohil
8/5/2016 6:58:58 PM



#62
Azobenzene
Concen: 53.69 ng
RT: 13.49 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.8	45.8
105	22.7	2.9	42.9
51	27.2	7.2	47.2





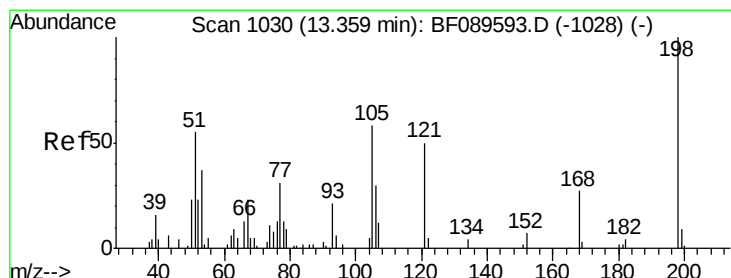
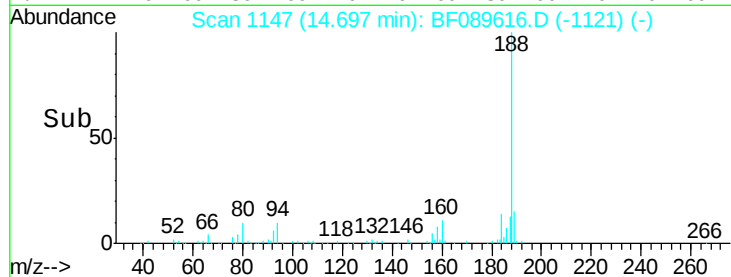
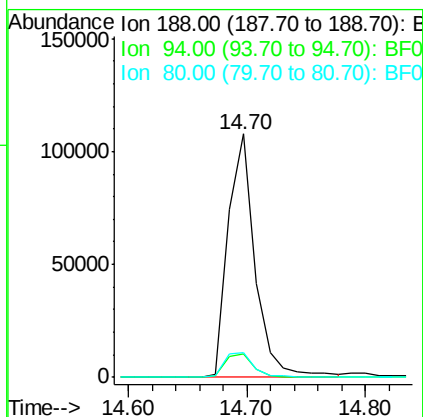
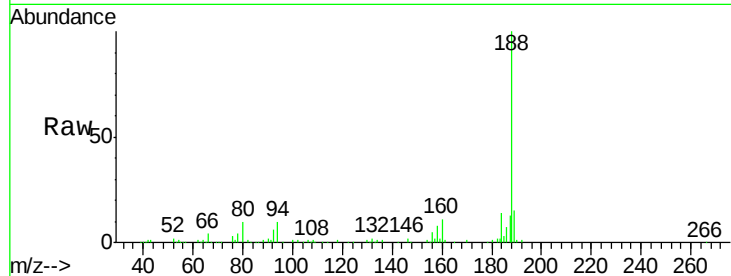
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	170527		
94	9.5		6.5	9.7
80	10.3		8.0	12.0

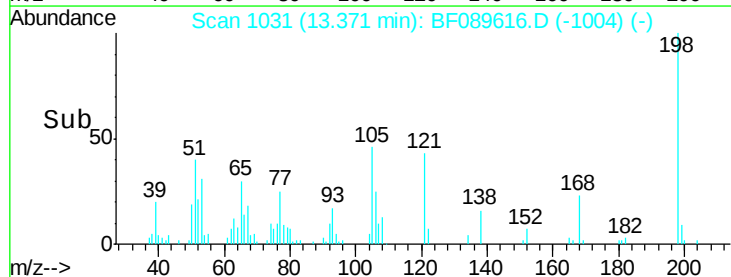
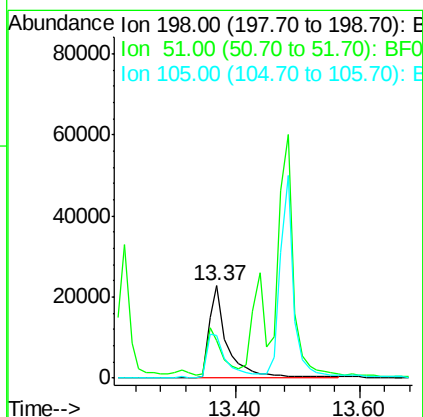
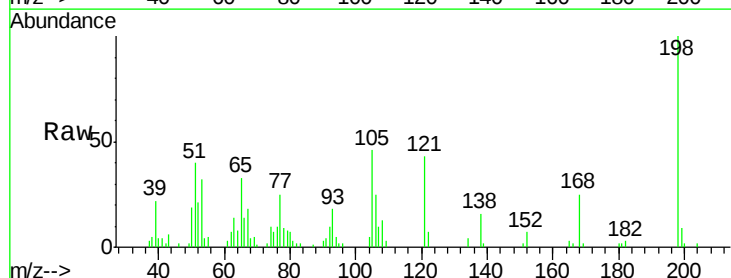
Manual Integrations
APPROVED

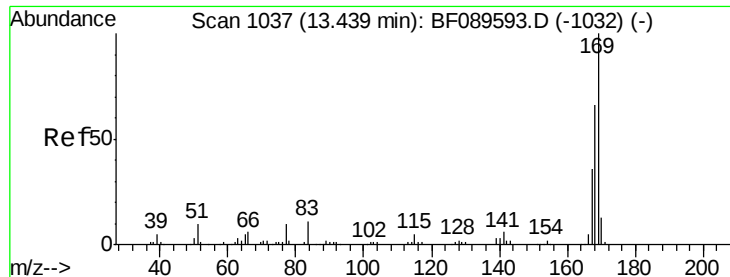
sohil
8/5/2016 6:58:58 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 44.87 ng
RT: 13.37 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	46407		
51	40.2		38.9	78.9
105	46.2		38.1	78.1





#65

n-Nitrosodiphenylamine

Concen: 46.55 ng

RT: 13.44 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

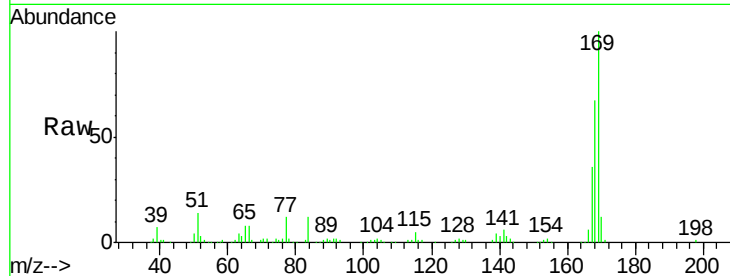
ClientSampleId :

GW-64-9.0-15.0MS

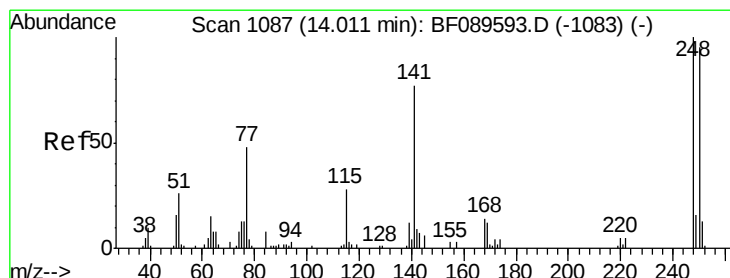
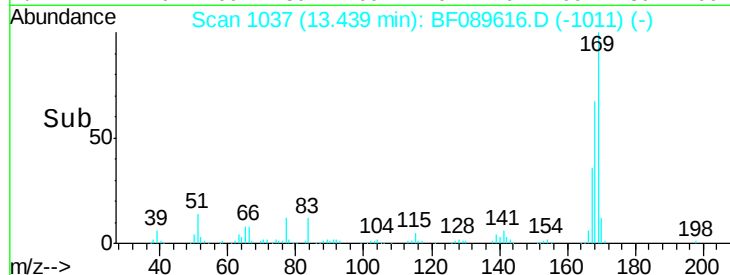
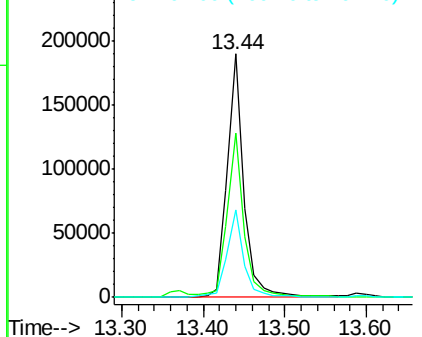
Tot Ion:	169	Resp:	268114
Ion Ratio	Lower	Upper	
169	100		
168	67.3	54.2	81.2
167	36.1	28.9	43.3

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



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: 50.22 ng

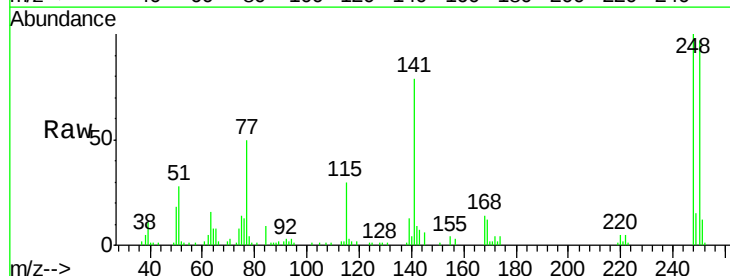
RT: 14.01 min Scan# 1087

Delta R.T. 0.00 min

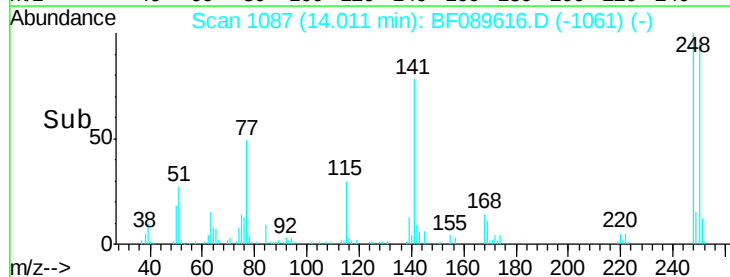
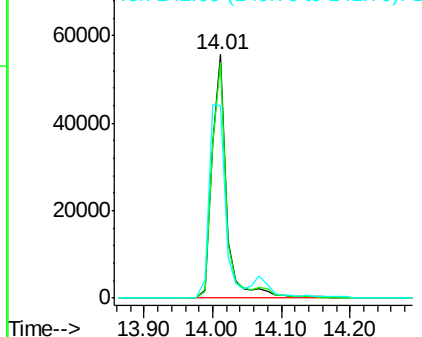
Lab File: BF089616.D

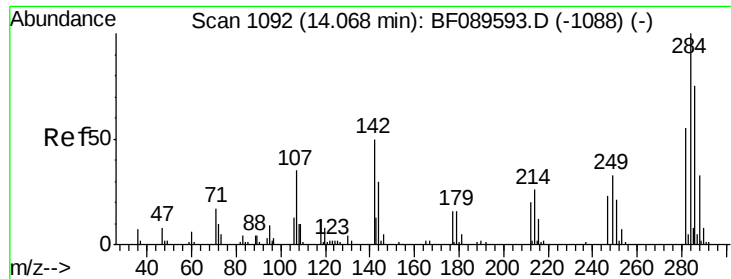
Acq: 5 Aug 2016 6:57

Tgt Ion:	248	Resp:	82832
Ion Ratio	Lower	Upper	
248	100		
250	96.8	76.2	114.2
141	79.1	61.3	91.9



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





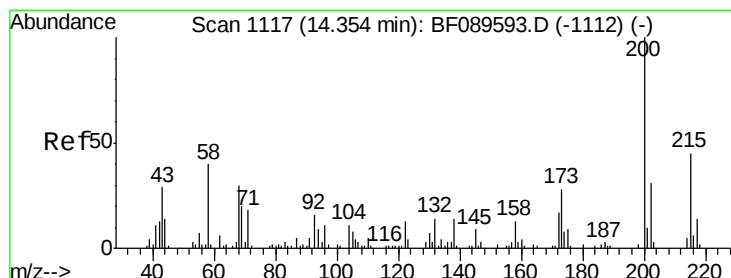
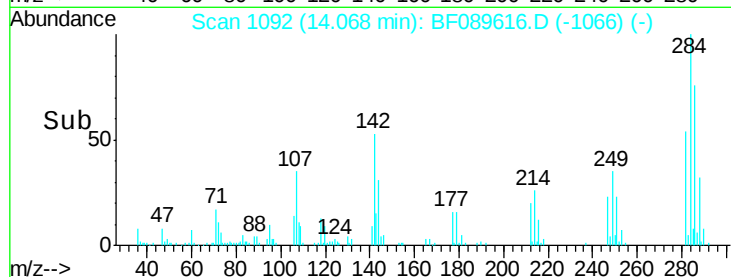
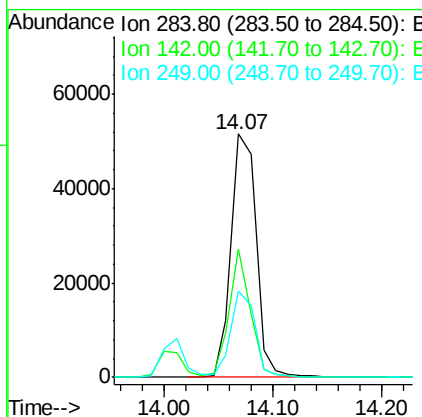
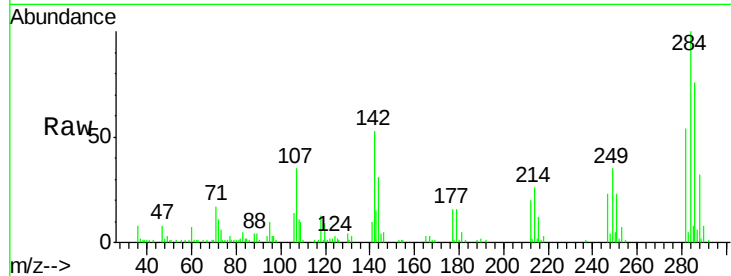
#67
Hexachlorobenzene
Concen: 45.24 ng
RT: 14.07 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion:	284	Resp:	82087
Ion Ratio	Lower	Upper	
284	100		
142	52.8	41.4	62.0
249	35.4	28.6	43.0

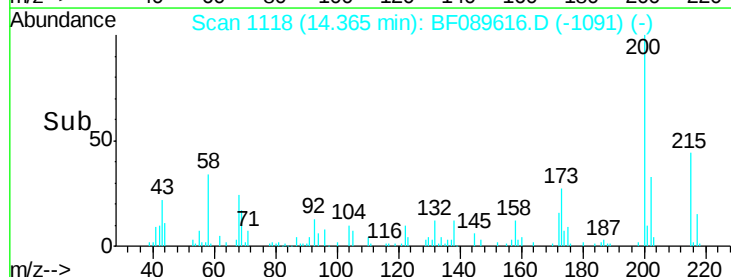
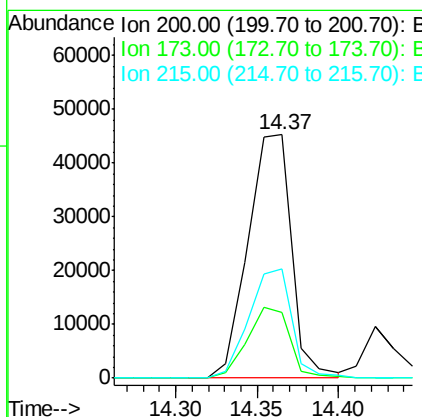
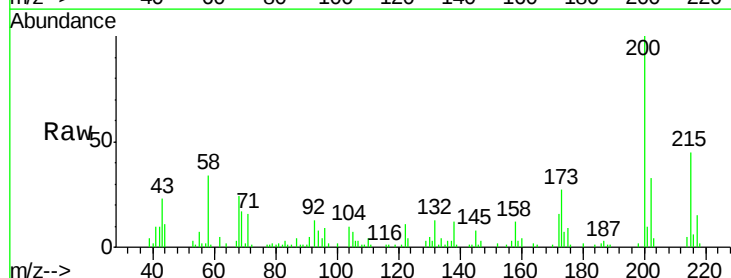
Manual Integrations
APPROVED

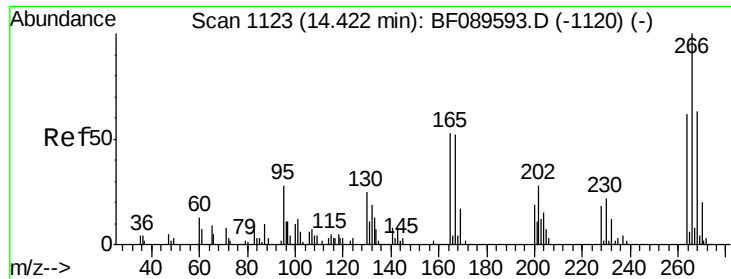
sohil
8/5/2016 6:58:58 PM



#68
Atrazine
Concen: 52.28 ng
RT: 14.37 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion:	200	Resp:	84073
Ion Ratio	Lower	Upper	
200	100		
173	27.2	8.2	48.2
215	44.8	24.9	64.9





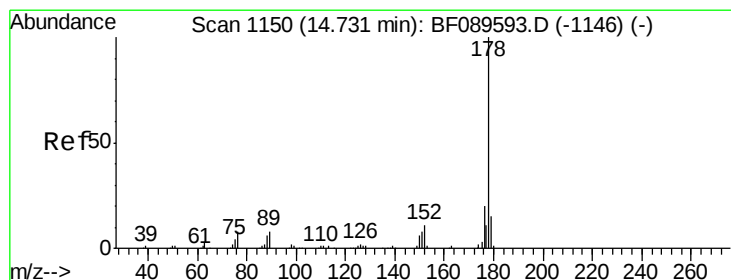
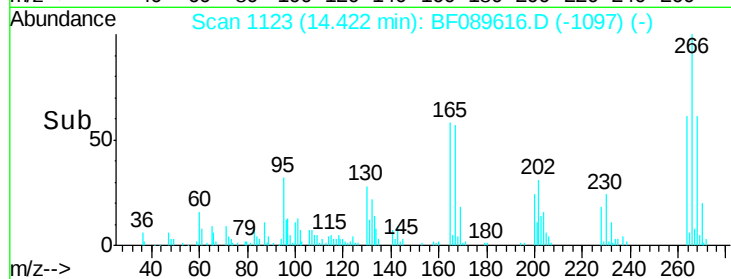
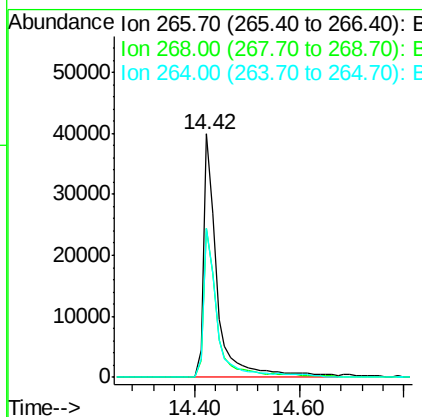
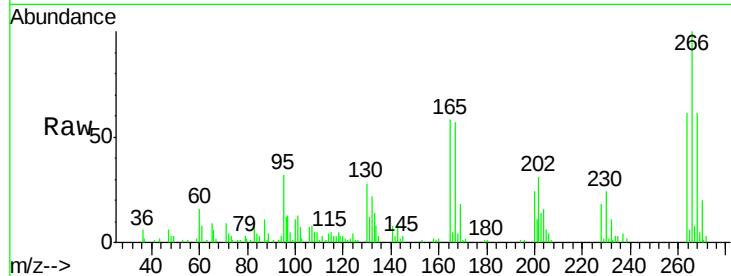
#69
 Pentachlorophenol
 Concen: 93.48 ng
 RT: 14.42 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	73186		
268	61.1	50.6	75.8	
264	61.2	49.5	74.3	

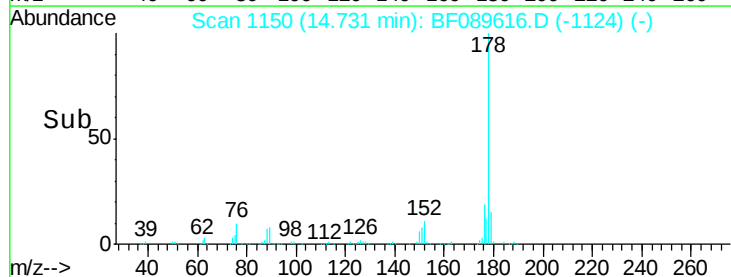
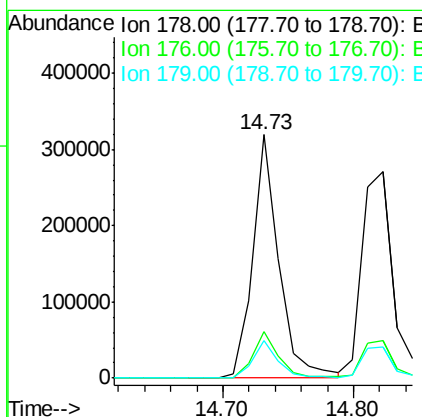
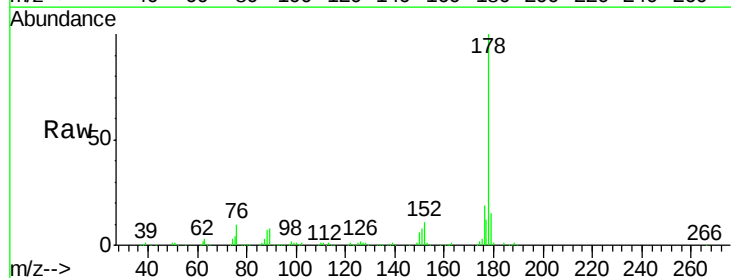
Manual Integrations
 APPROVED

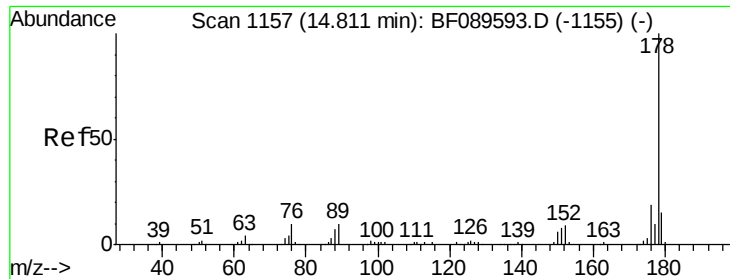
sohil
 8/5/2016 6:58:58 PM



#70
 Phenanthrene
 Concen: 48.06 ng
 RT: 14.73 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	445679		
176	19.2	15.7	23.5	
179	15.5	12.2	18.2	





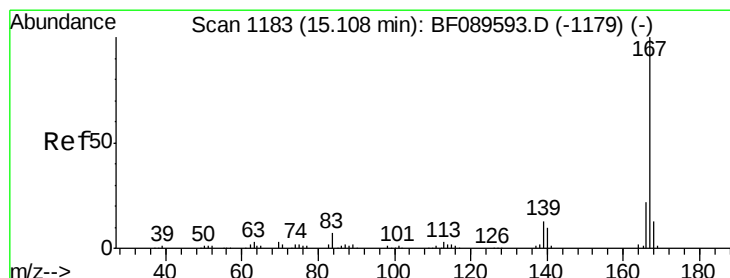
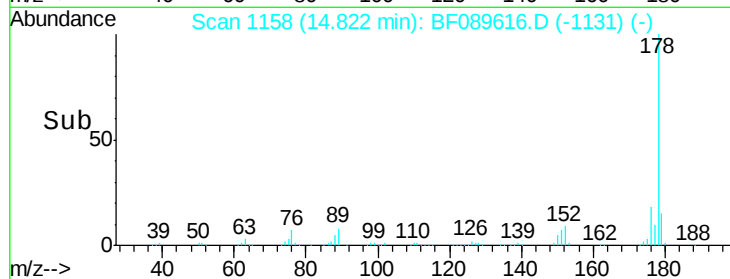
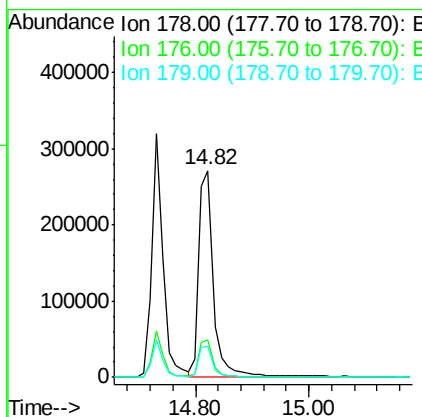
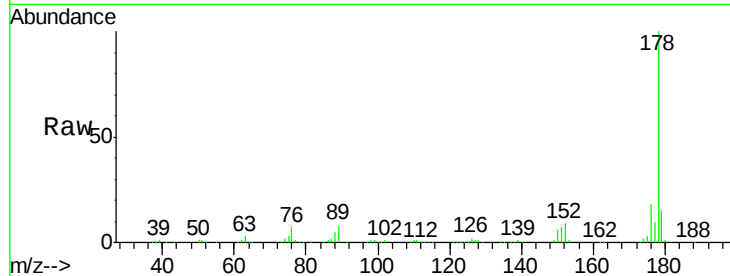
#71
 Anthracene
 Concen: 47.36 ng
 RT: 14.82 min Scan# 1158
 Delta R.T. 0.01 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.2	12.4	18.6

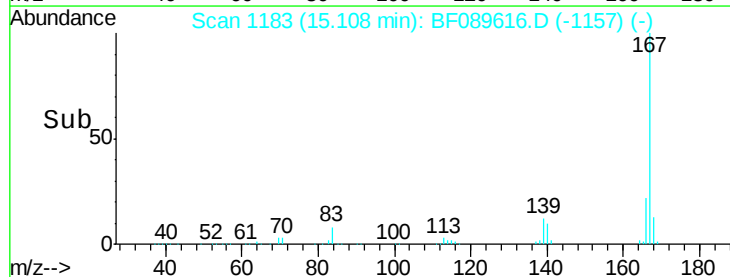
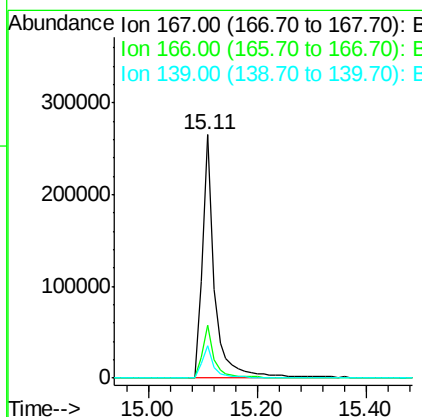
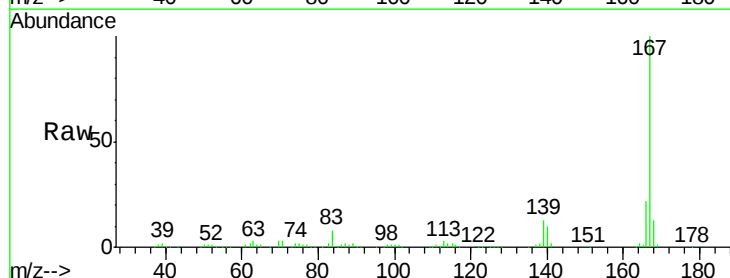
Manual Integrations
 APPROVED

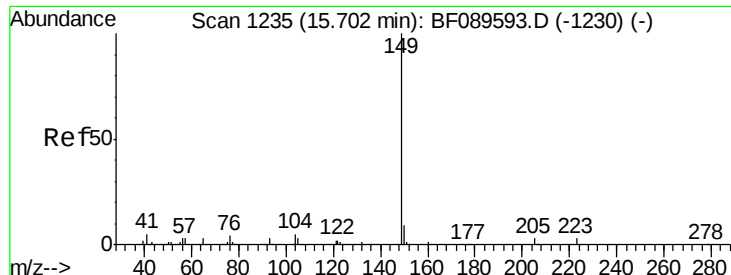
sohil
 8/5/2016 6:58:58 PM



#72
 Carbazole
 Concen: 49.85 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.3	10.4	15.6





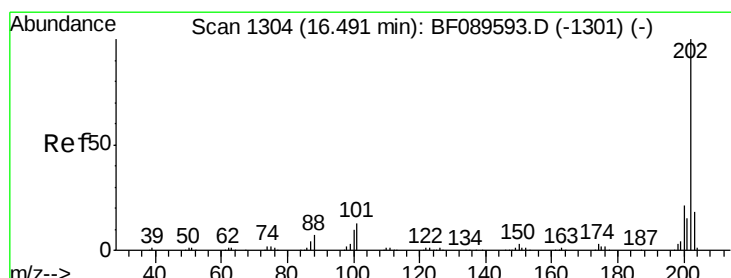
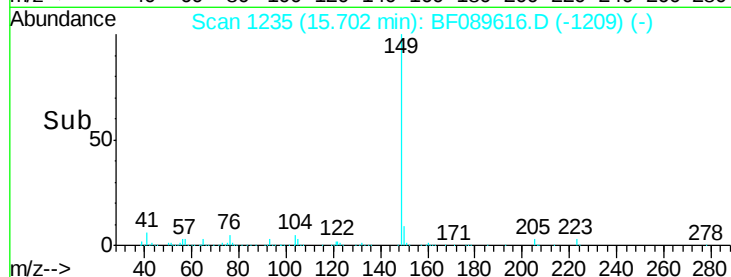
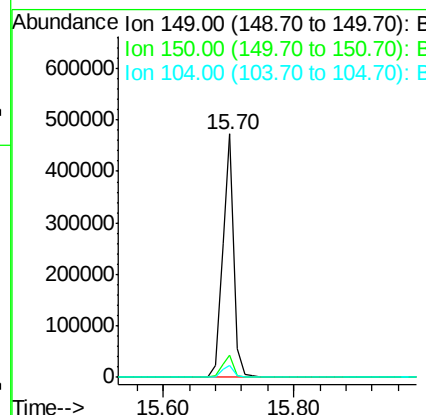
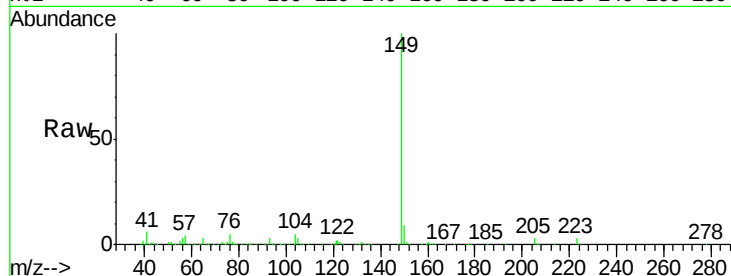
#73
Di-n-butylphthalate
Concen: 50.75 ng
RT: 15.70 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	568630		
150	9.2		7.2	10.8
104	5.0		3.8	5.8

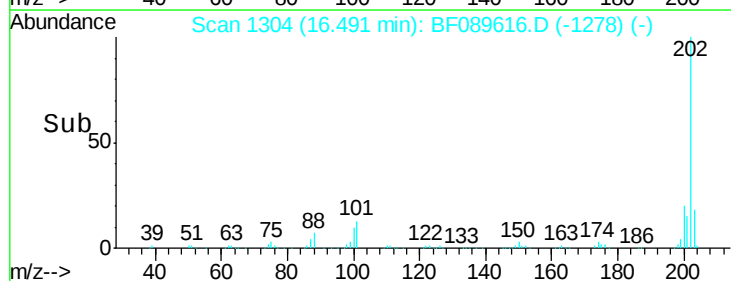
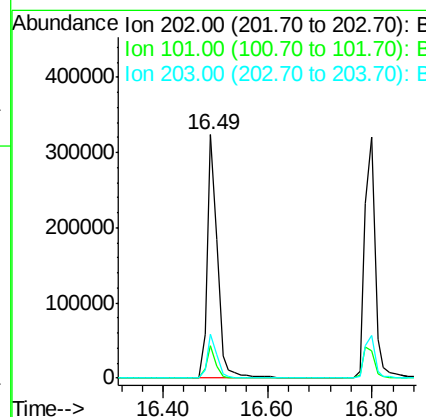
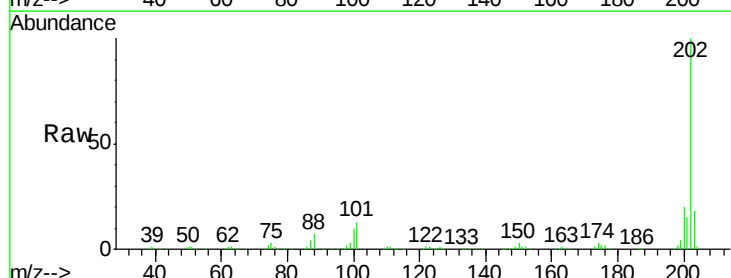
Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



#74
Fluoranthene
Concen: 46.22 ng
RT: 16.49 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	440611		
101	13.3		0.0	32.7
203	18.2		0.0	37.8





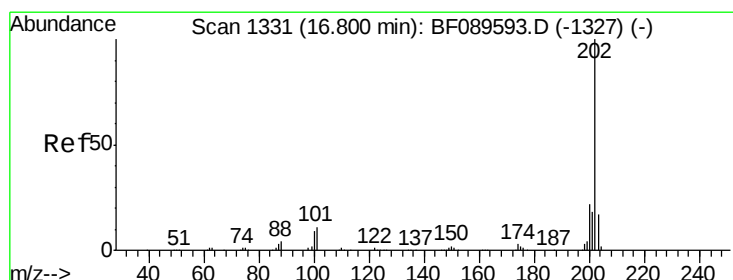
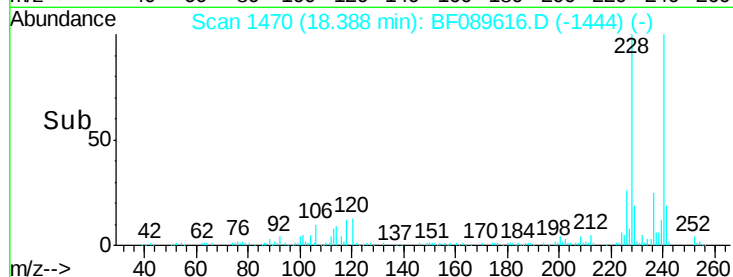
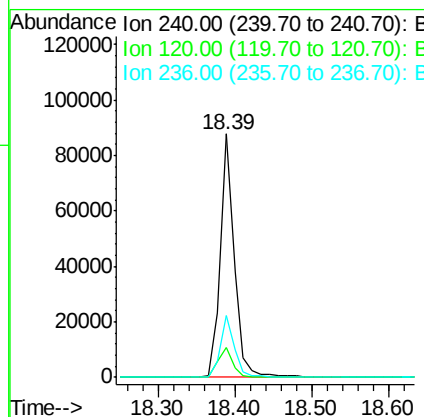
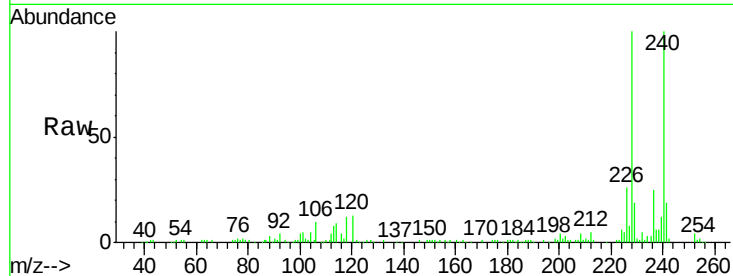
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.39 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Resp	Lower	Upper
240	100	112454		
120	12.5	10.6	15.8	
236	25.2	20.6	30.8	

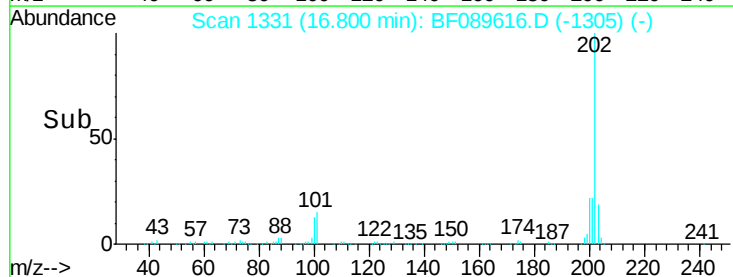
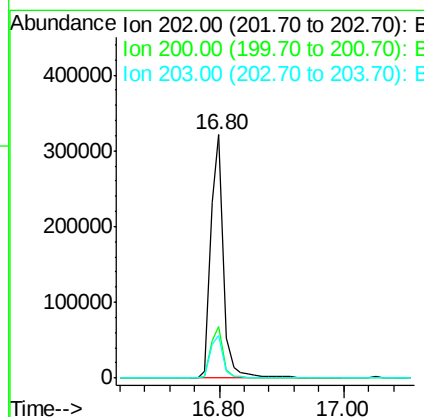
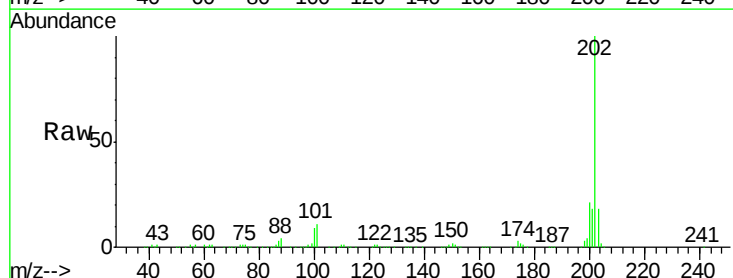
Manual Integrations
APPROVED

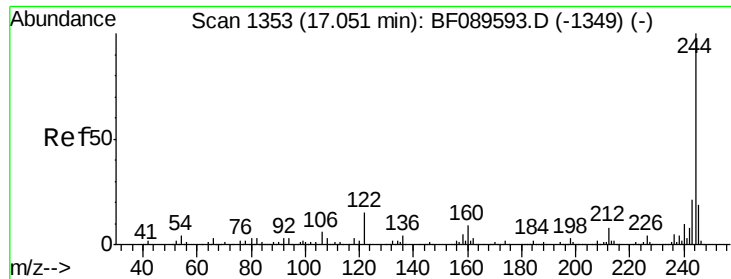
sohil
8/5/2016 6:58:58 PM



#77
Pyrene
Concen: 44.80 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	445400		
200	21.2	17.4	26.0	
203	17.7	13.6	20.4	





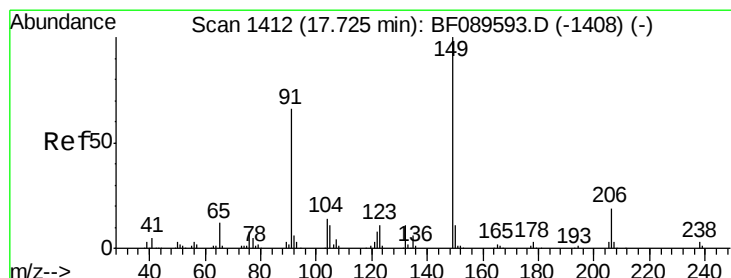
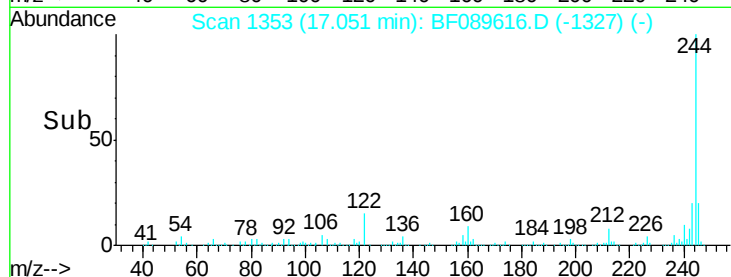
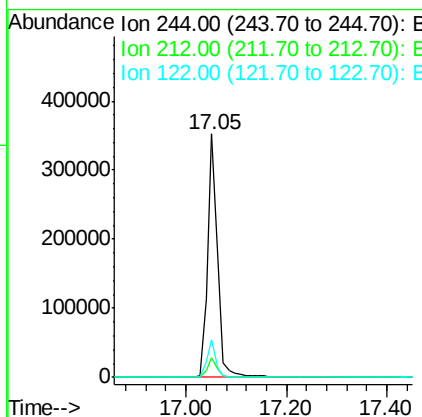
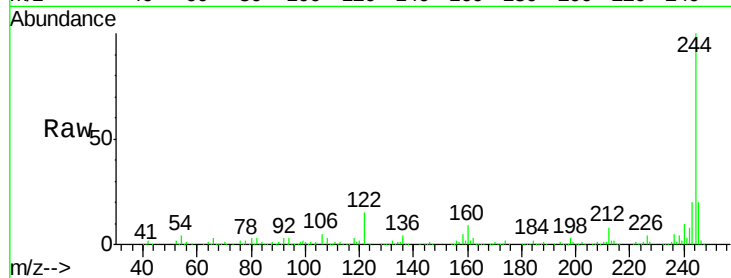
#78
 Terphenyl-d14
 Concen: 83.84 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.4	9.6
122	15.2	12.2	18.2

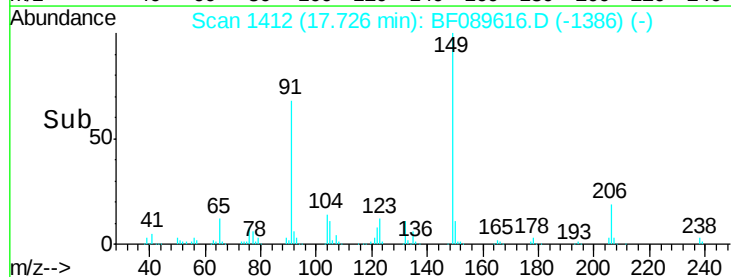
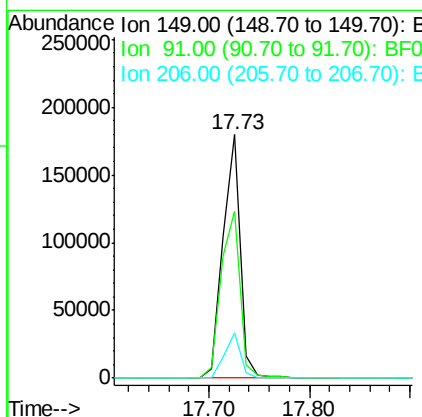
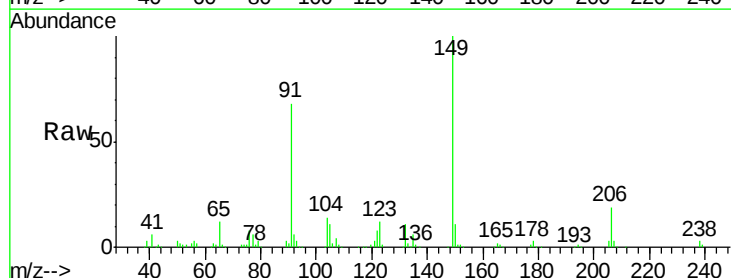
Manual Integrations
 APPROVED

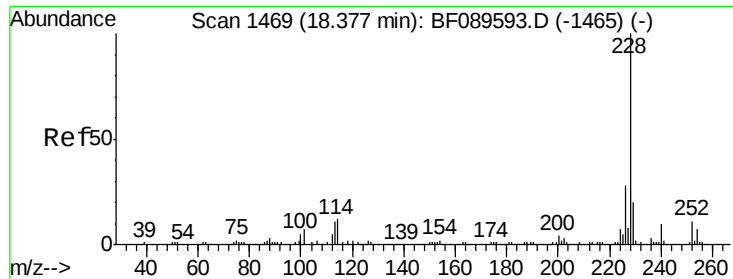
sohil
 8/5/2016 6:58:58 PM



#79
 Butylbenzylphthalate
 Concen: 50.89 ng
 RT: 17.73 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.3	52.6	78.8
206	18.8	15.4	23.0





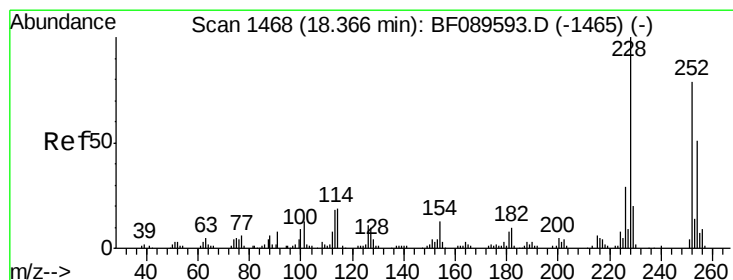
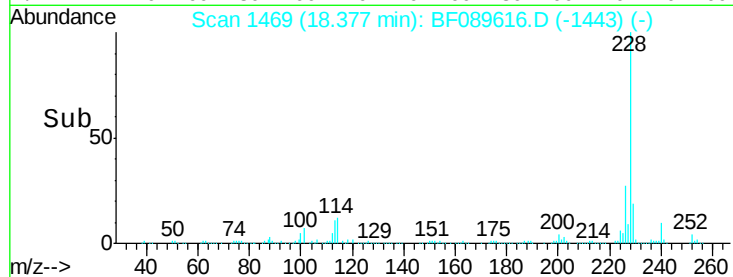
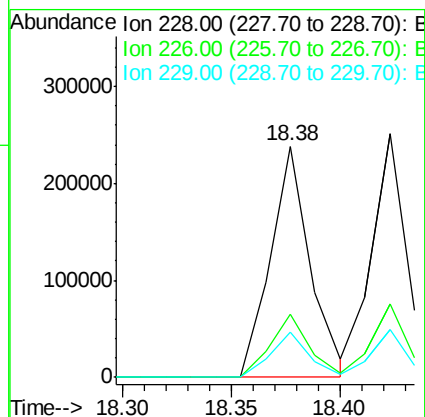
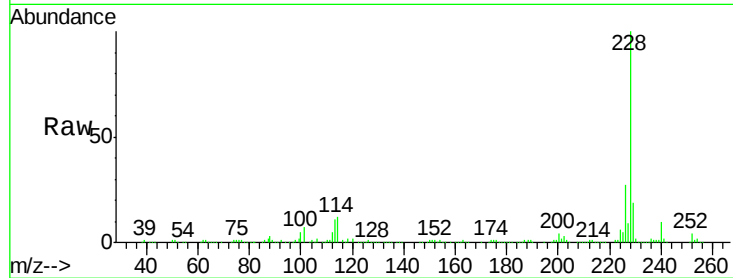
#80
Benzo(a)anthracene
Concen: 47.10 ng
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.3	33.5
229	19.5	15.9	23.9

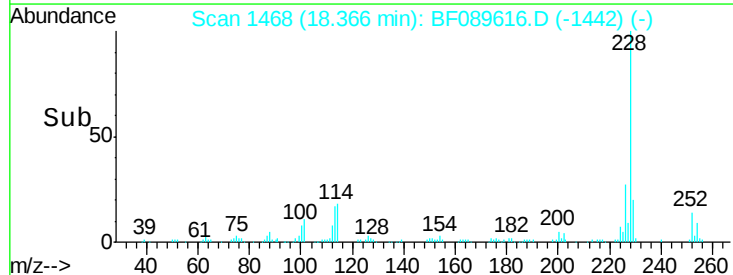
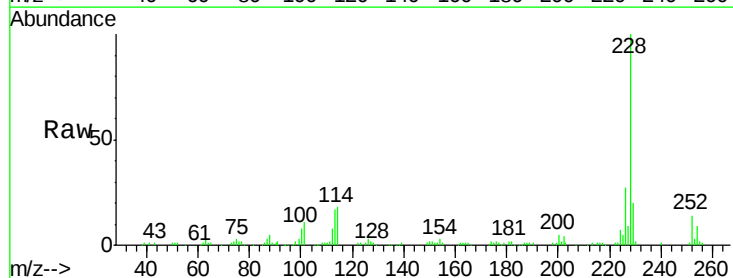
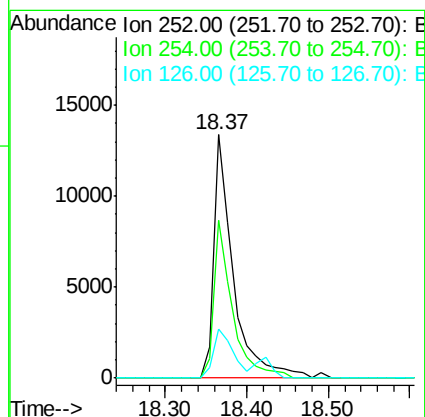
Manual Integrations
APPROVED

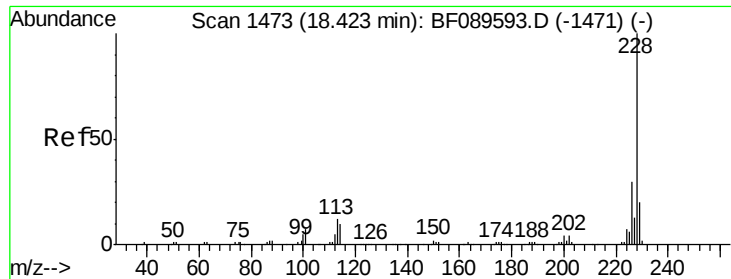
sohil
8/5/2016 6:58:58 PM



#81
3,3'-Dichlorobenzidine
Concen: 11.06 ng
RT: 18.37 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	19.9	11.0	16.4





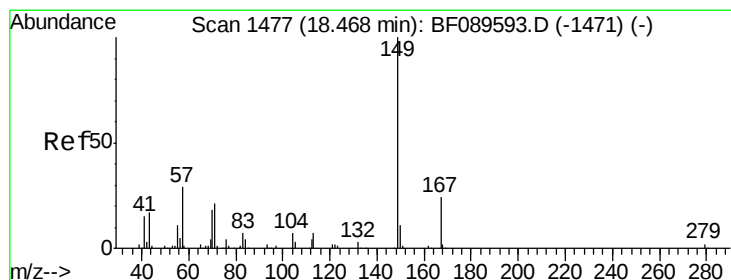
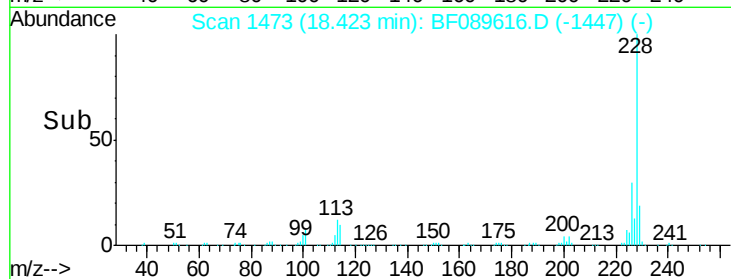
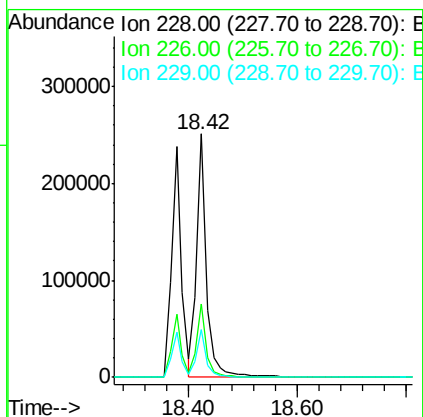
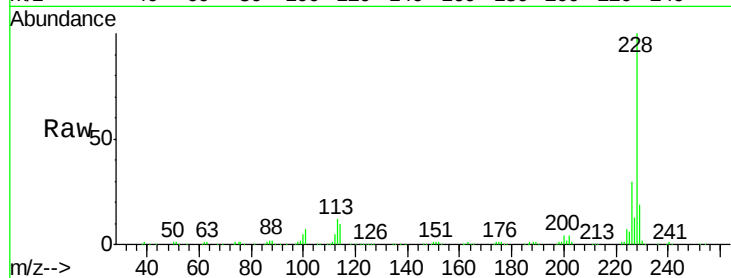
#82
 Chrysene
 Concen: 46.37 ng
 RT: 18.42 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	19.5	16.0	24.0

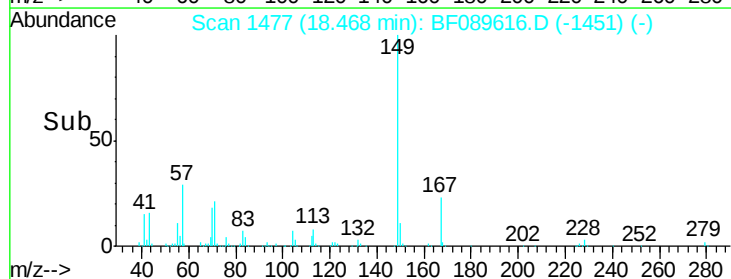
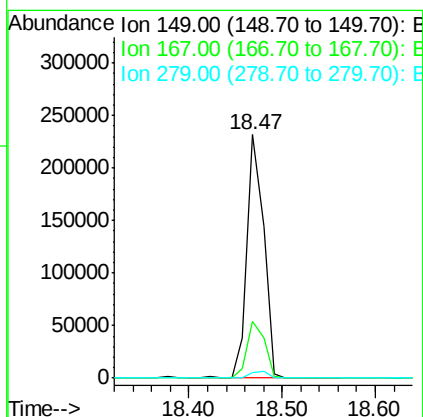
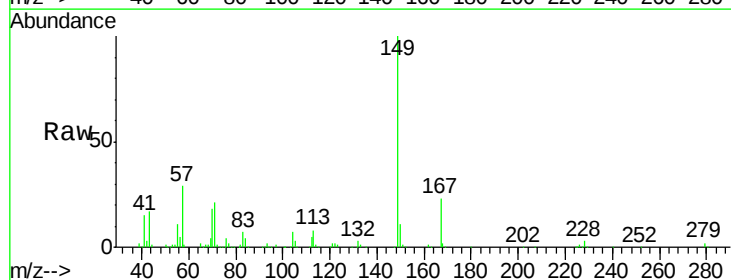
Manual Integrations
 APPROVED

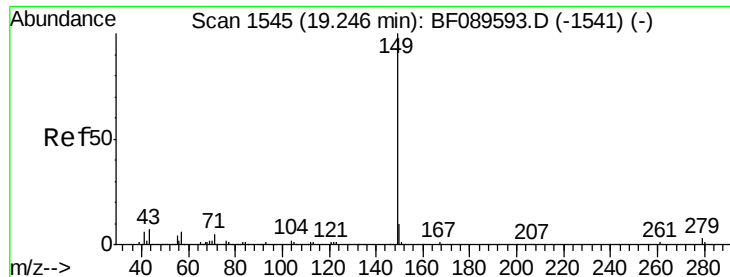
sohil
 8/5/2016 6:58:58 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.74 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.4	19.0	28.4
279	2.2	1.8	2.6





#84

Di-n-octyl phthalate

Concen: 51.07 ng

RT: 19.25 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Instrument :

BNA_F

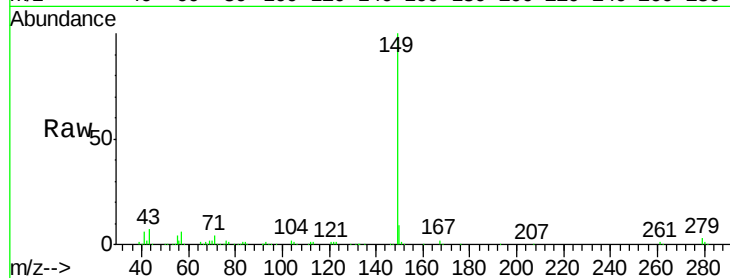
ClientSampleId :

GW-64-9.0-15.0MS

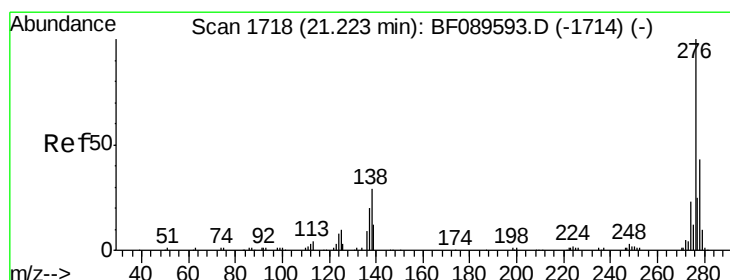
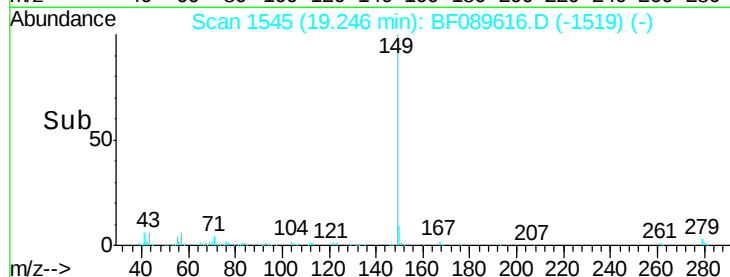
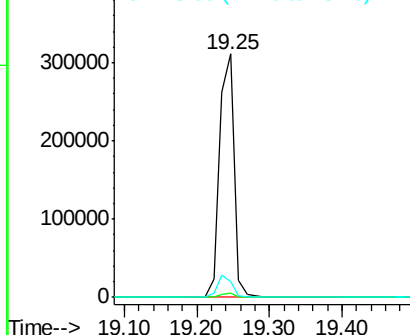
Tot Ion:	149	Resp:	430512
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.1	1.7
43	8.8	7.0	10.4

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 48.15 ng

RT: 21.22 min Scan# 1718

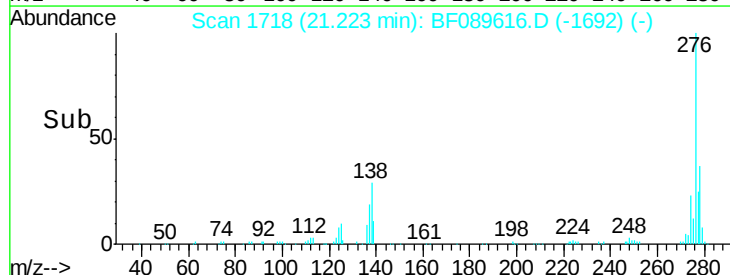
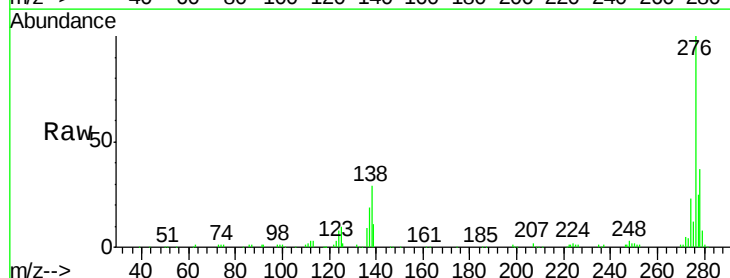
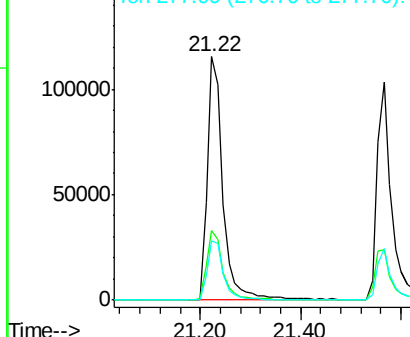
Delta R.T. 0.00 min

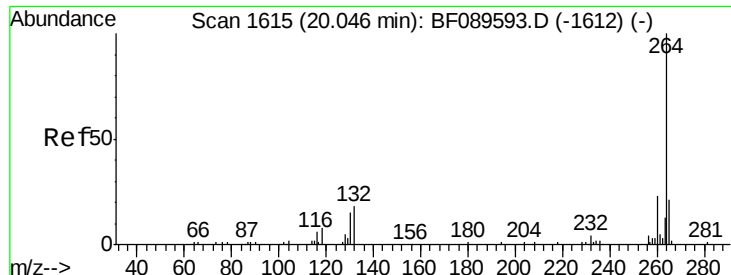
Lab File: BF089616.D

Acq: 5 Aug 2016 6:57

Tgt Ion:	276	Resp:	247853
Ion Ratio	Lower	Upper	
276	100		
138	29.8	23.8	35.8
277	25.4	20.3	30.5

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





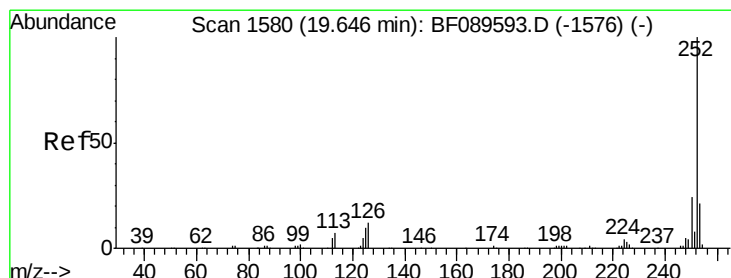
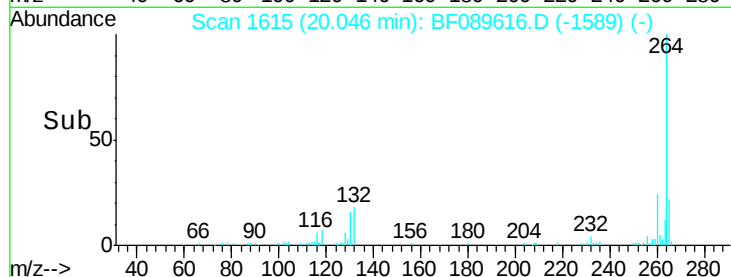
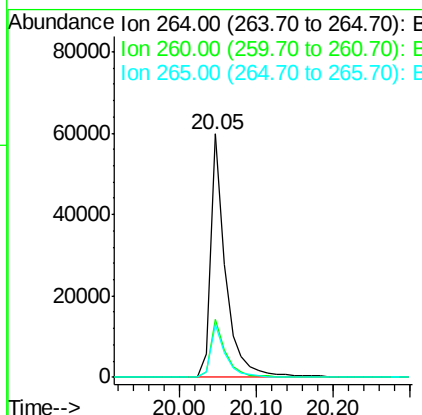
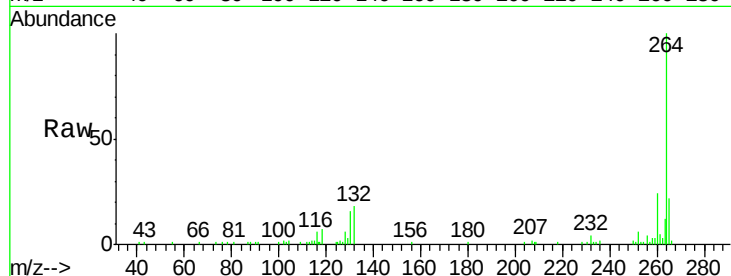
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.5	16.5	24.7

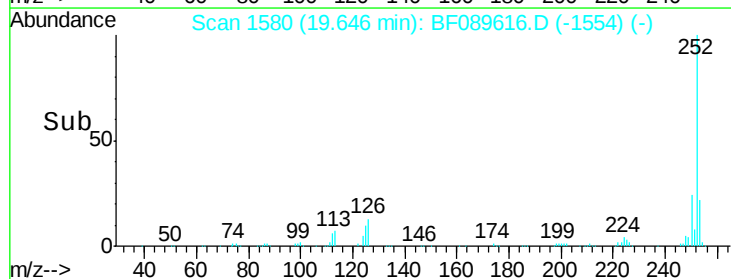
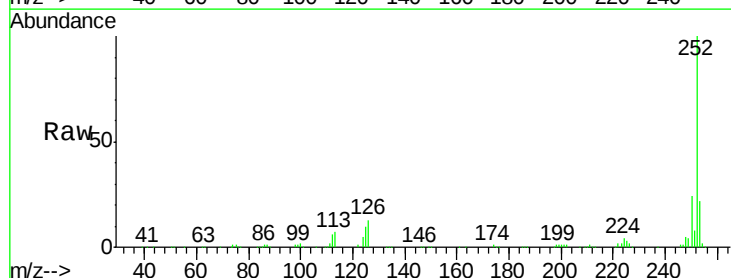
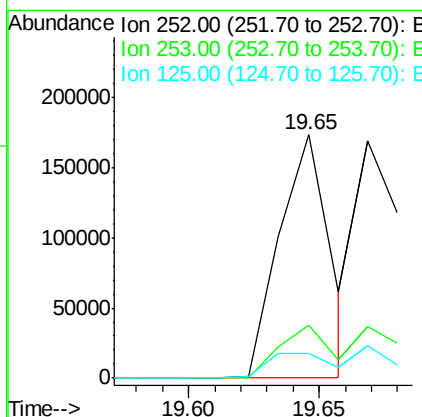
Manual Integrations
APPROVED

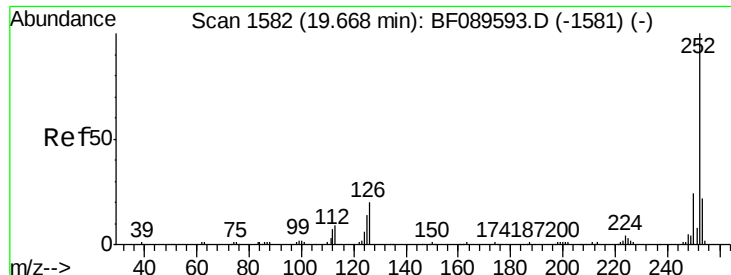
sohil
8/5/2016 6:58:58 PM



#87
Benzo(b)fluoranthene
Concen: 46.60 ng
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.1	7.8	11.8





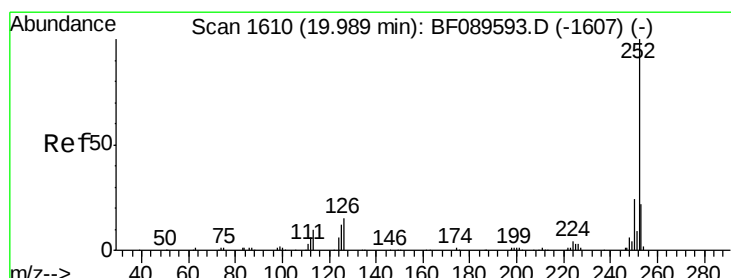
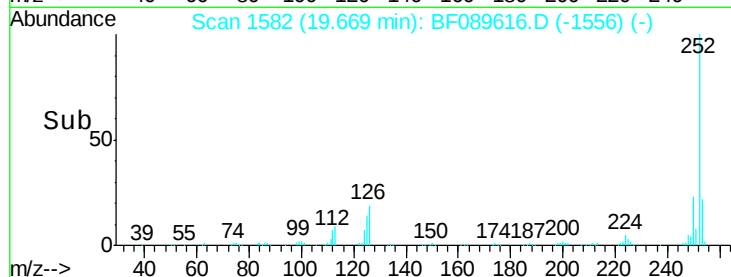
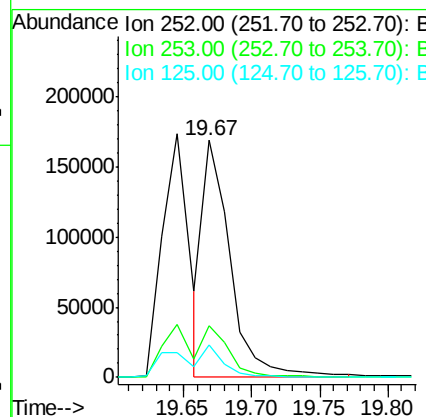
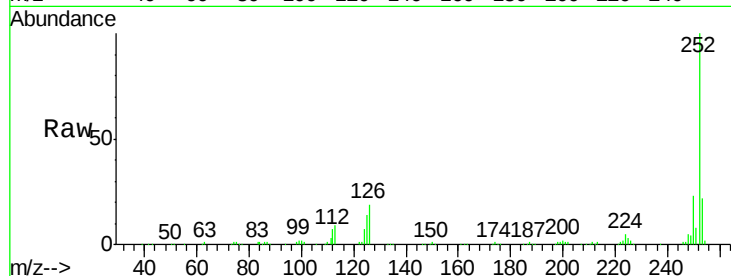
#88
 Benzo(k)fluoranthene
 Concen: 48.91 ng m
 RT: 19.67 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 GW-64-9.0-15.0MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	13.7	11.0	16.6

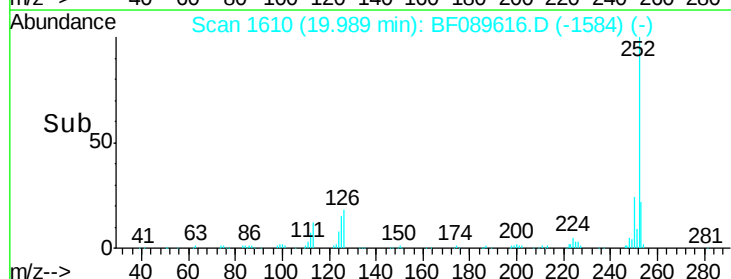
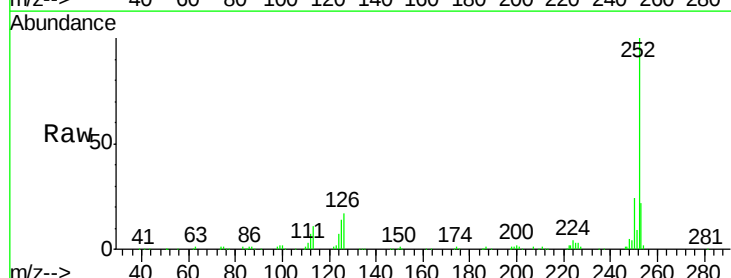
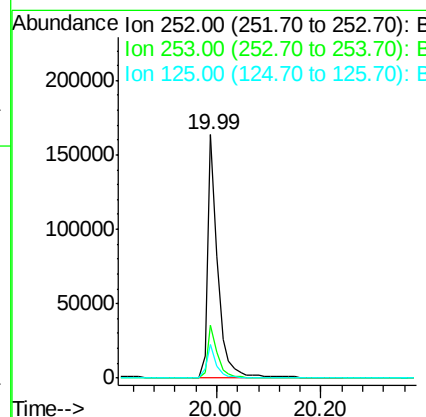
Manual Integrations
 APPROVED

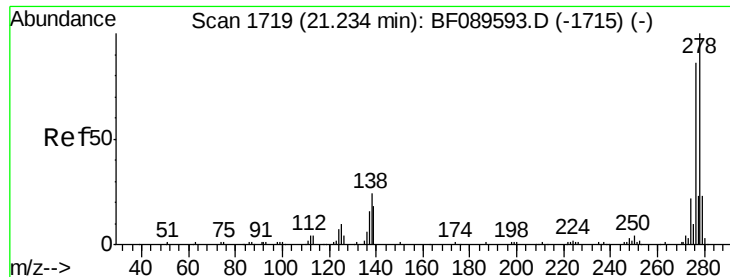
sohil
 8/5/2016 6:58:58 PM



#89
 Benzo(a)pyrene
 Concen: 46.37 ng
 RT: 19.99 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF089616.D
 Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	13.8	9.9	14.9





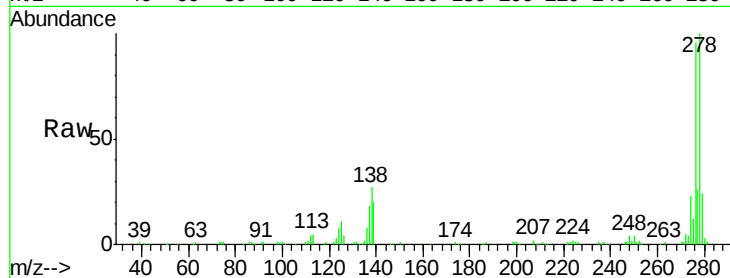
#90
Dibenzo(a,h)anthracene
Concen: 48.16 ng
RT: 21.23 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Instrument :
BNA_F
ClientSampleId :
GW-64-9.0-15.0MS

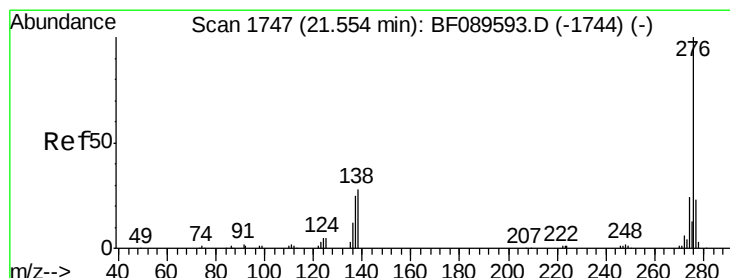
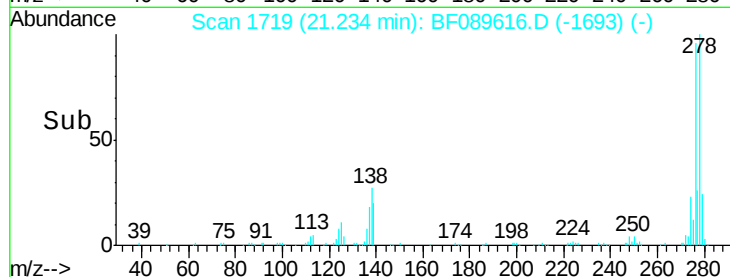
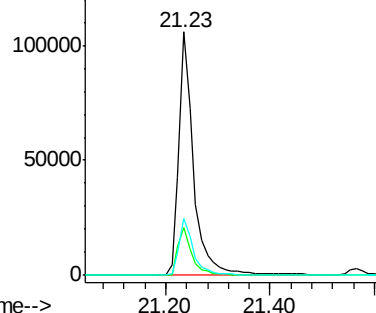
Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.6	21.8
279	23.6	18.4	27.6

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:58 PM



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



#91
Benzo(g,h,i)perylene
Concen: 47.56 ng
RT: 21.57 min Scan# 1748
Delta R.T. 0.01 min
Lab File: BF089616.D
Acq: 5 Aug 2016 6:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.2	22.6	33.8

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

