

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089617.D
 Acq On : 5 Aug 2016 7:30
 Operator : UM/SJ
 Sample : H4288-23MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:59 PM

Quant Time: Aug 05 08:07:44 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	45210	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	198426	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	90291	20.00	ng	0.00
63) Phenanthrene-d10	14.70	188	163561	20.00	ng	0.00
75) Chrysene-d12	18.39	240	92613	20.00	ng	0.00
86) Perylene-d12	20.05	264	77794	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	169647	62.89	ng	0.02
7) Phenol-d6	6.98	99	156930	42.89	ng	0.00
23) Nitrobenzene-d5	8.36	82	318928	88.90	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	95673	128.40	ng	0.01
44) 2-Fluorobiphenyl	11.26	172	589397	84.84	ng	0.00
78) Terphenyl-d14	17.05	244	428807	91.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.80	88	23120	14.95	ng	# 70
3) Pyridine	2.40	79	31860	11.21	ng	98
4) n-Nitrosodimethylamine	2.35	42	22263m	21.64	ng	
6) Aniline	6.95	93	88440	18.65	ng	99
8) 2-Chlorophenol	7.12	128	127354	38.46	ng	97
9) Benzaldehyde	6.75	77	50046	37.70	ng	99
10) Phenol	7.00	94	62710	16.69	ng	# 72
11) bis(2-Chloroethyl)ether	7.08	93	146088	45.26	ng	98
12) 1,3-Dichlorobenzene	7.35	146	132211	36.76	ng	99
13) 1,4-Dichlorobenzene	7.47	146	131938	36.78	ng	99
14) 1,2-Dichlorobenzene	7.70	146	137201	36.28	ng	100
15) Benzyl Alcohol	7.74	79	78056	32.53	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.95	45	173494	42.21	ng	85
17) 2-Methylphenol	7.95	107	77895	32.57	ng	# 90
18) Hexachloroethane	8.23	117	52394	34.66	ng	95
19) n-Nitroso-di-n-propylamine	8.17	70	121516	45.97	ng	98
20) 3+4-Methylphenols	8.22	107	92239	30.55	ng	96
22) Acetophenone	8.12	105	179665	37.98	ng	96
24) Nitrobenzene	8.39	77	160669	47.15	ng	98
25) Isophorone	8.79	82	313704	45.67	ng	98
26) 2-Nitrophenol	8.89	139	68224	43.63	ng	97
27) 2,4-Dimethylphenol	9.04	122	114650	40.78	ng	95
28) bis(2-Chloroethoxy)methane	9.18	93	192522	46.33	ng	99
29) 2,4-Dichlorophenol	9.30	162	112576	42.32	ng	96
30) 1,2,4-Trichlorobenzene	9.40	180	120021	39.51	ng	97
31) Naphthalene	9.51	128	424269	40.23	ng	99
32) Benzoic acid	9.30	122	16105	9.12	ng	96
33) 4-Chloroaniline	9.66	127	67496	17.04	ng	99
34) Hexachlorobutadiene	9.72	225	61578	35.20	ng	98
35) Caprolactam	10.30	113	5258m	6.78	ng	
36) 4-Chloro-3-methylphenol	10.49	107	120531	38.98	ng	96
37) 2-Methylnaphthalene	10.63	142	273757	42.21	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	111155	32.75	ng	98
40) Hexachlorocyclopentadiene	10.89	237	86777	74.58	ng	100

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089617.D
 Acq On : 5 Aug 2016 7:30
 Operator : UM/SJ
 Sample : H4288-23MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

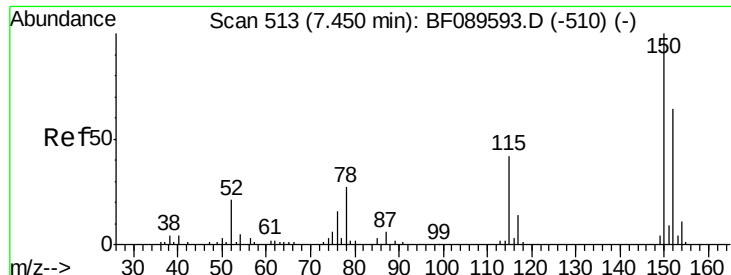
Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:59 PM

Quant Time: Aug 05 08:07:44 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	75167	44.91	nq	99
43) 2,4,5-Trichlorophenol	11.20	196	80453	44.97	nq	99
45) 1,1'-Biphenyl	11.40	154	318319	39.09	nq	99
46) 2-Chloronaphthalene	11.42	162	267348	43.79	nq	99
47) 2-Nitroaniline	11.62	65	84019	42.70	nq	91
48) Acenaphthylene	12.07	152	429520	42.71	nq	99
49) Dimethylphthalate	11.96	163	361578	51.09	nq	99
50) 2,6-Dinitrotoluene	12.04	165	70743	50.28	nq	89
51) Acenaphthene	12.35	154	256656	44.19	nq	99
52) 3-Nitroaniline	12.32	138	36811	21.87	nq	99
53) 2,4-Dinitrophenol	12.50	184	55075	85.88	nq	97
54) Dibenzofuran	12.64	168	391785	49.06	nq	98
55) 4-Nitrophenol	12.71	139	22868m	24.81	nq	
56) 2,4-Dinitrotoluene	12.71	165	95199	48.10	nq	# 84
57) Fluorene	13.19	166	309565	45.35	nq	98
58) 2,3,4,6-Tetrachlorophenol	12.87	232	64709	47.65	nq	97
59) Diethylphthalate	13.11	149	339320	46.36	nq	99
60) 4-Chlorophenyl-phenylether	13.22	204	144643	46.21	nq	98
61) 4-Nitroaniline	13.31	138	54087	35.75	nq	98
62) Azobenzene	13.49	77	369752	52.24	nq	98
64) 4,6-Dinitro-2-methylphenol	13.37	198	44573	44.92	nq	83
65) n-Nitrosodiphenylamine	13.44	169	256539	46.44	nq	99
66) 4-Bromophenyl-phenylether	14.01	248	81473	51.50	nq	99
67) Hexachlorobenzene	14.07	284	80081	46.01	nq	99
68) Atrazine	14.35	200	75013	48.63	nq	98
69) Pentachlorophenol	14.42	266	65824	87.91	nq	99
70) Phenanthrene	14.73	178	428283	48.16	nq	100
71) Anthracene	14.81	178	446419	46.82	nq	100
72) Carbazole	15.11	167	383217	48.22	nq	100
73) Di-n-butylphthalate	15.70	149	530255	49.34	nq	100
74) Fluoranthene	16.49	202	405376	44.34	nq	99
77) Pyrene	16.80	202	393638	48.08	nq	99
79) Butylbenzylphthalate	17.73	149	179408	51.49	nq	98
80) Benzo(a)anthracene	18.38	228	256454	48.19	nq	98
81) 3,3'-Dichlorobenzidine	18.37	252	19283	11.50	nq	# 96
82) Chrysene	18.42	228	259866	46.55	nq	99
83) Bis(2-ethylhexyl)phthalate	18.47	149	235612	48.84	nq	99
84) Di-n-octyl phthalate	19.25	149	350934	50.55	nq	100
85) Indeno(1,2,3-cd)pyrene	21.22	276	255758	60.33	nq	100
87) Benzo(b)fluoranthene	19.65	252	205862	43.03	nq	99
88) Benzo(k)fluoranthene	19.67	252	218226m	45.21	nq	
89) Benzo(a)pyrene	19.99	252	202414	45.18	nq	98
90) Dibenzo(a,h)anthracene	21.23	278	215766	51.56	nq	97
91) Benzo(g,h,i)perylene	21.57	276	223726	52.22	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: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

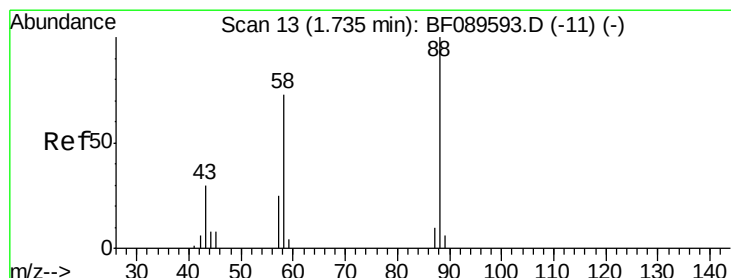
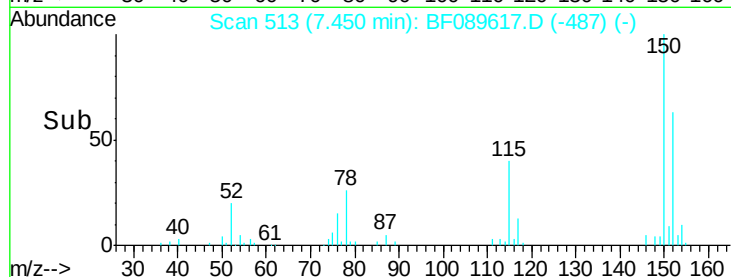
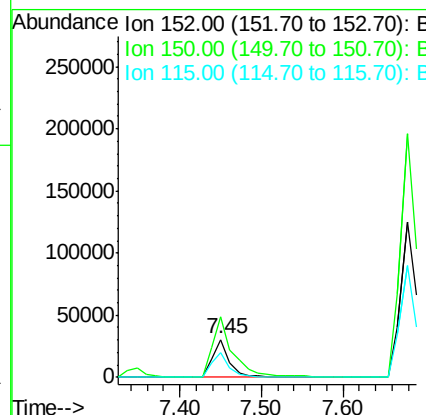
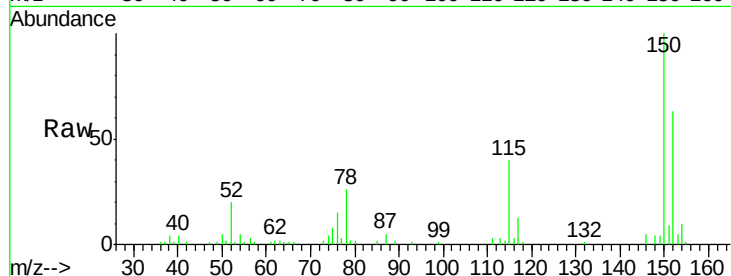
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	152	Resp:	45210
Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.5	188.3
115	63.9	52.0	78.0

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#2

1,4-Dioxane

Concen: 14.95 ng

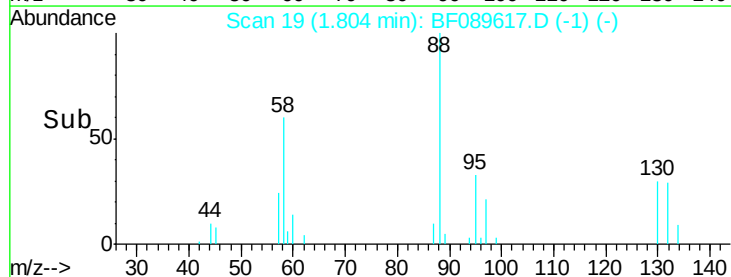
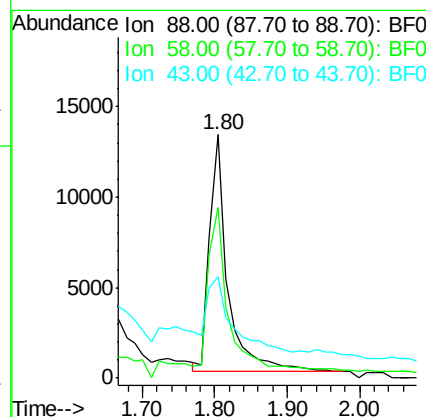
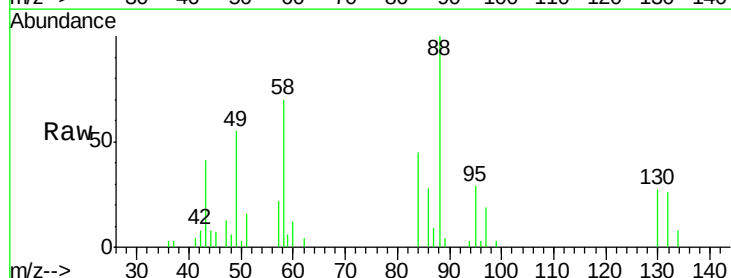
RT: 1.80 min Scan# 19

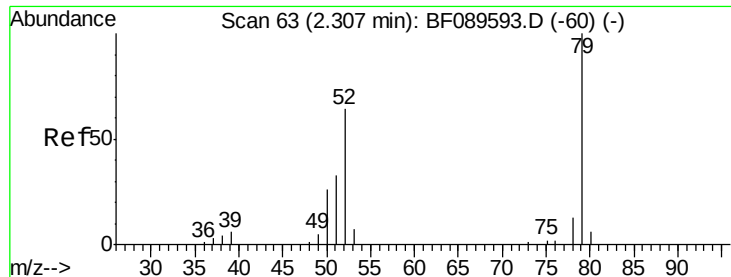
Delta R.T. 0.07 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	88	Resp:	23120
Ion	Ratio	Lower	Upper
88	100		
58	82.9	49.8	74.8#
43	43.9	20.1	30.1#





#3

Pvridine

Concen: 11.21 ng

RT: 2.40 min Scan# 71

Delta R.T. 0.09 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

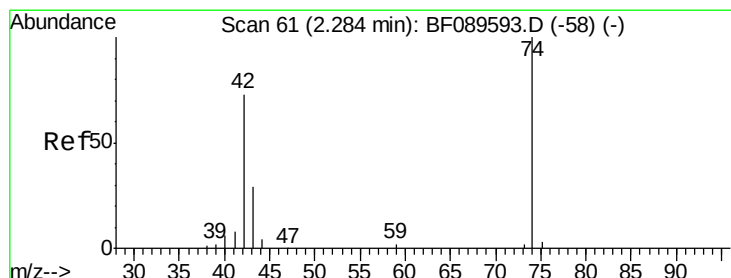
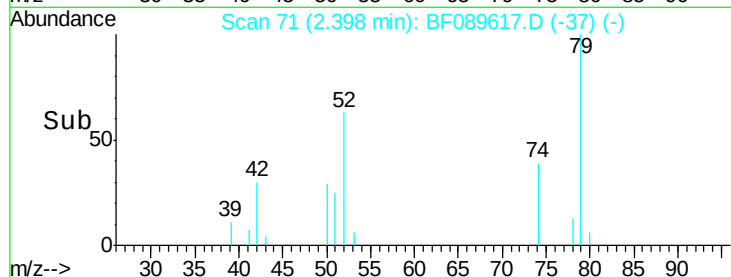
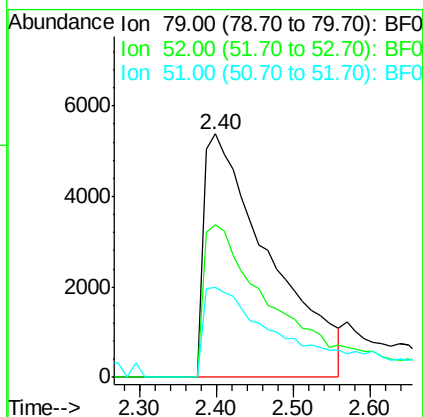
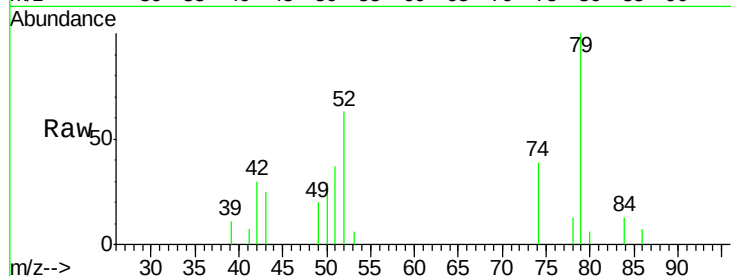
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	79	Resp:	31860
Ion	Ratio	Lower	Upper
79	100		
52	62.7	51.0	76.4
51	37.0	27.9	41.9

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#4

n-Nitrosodimethylamine

Concen: 21.64 ng m

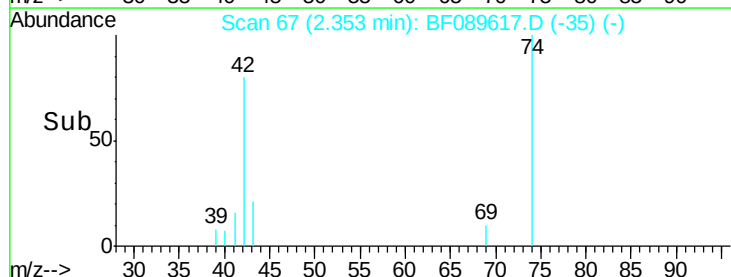
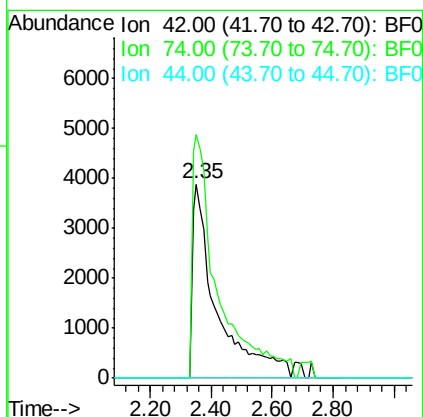
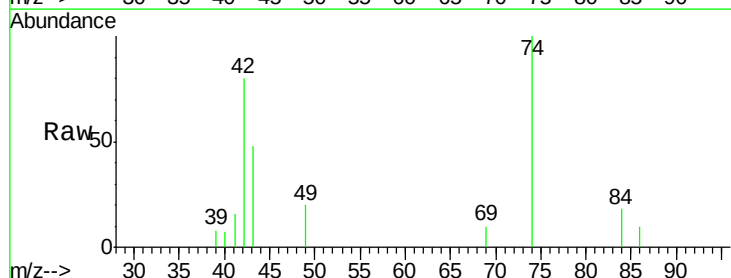
RT: 2.35 min Scan# 67

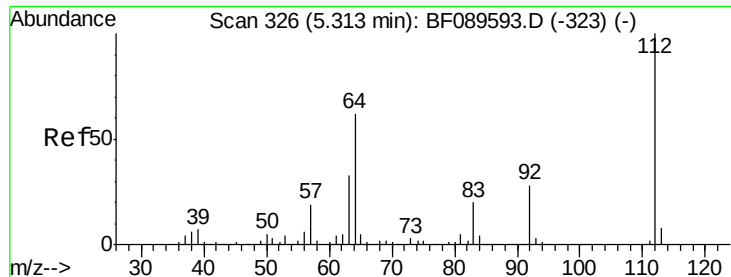
Delta R.T. 0.07 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	42	Resp:	22263
Ion	Ratio	Lower	Upper
42	100		
74	125.4	110.0	165.0
44	0.0	4.8	7.2#





#5

2-Fluorophenol

Concen: 62.89 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

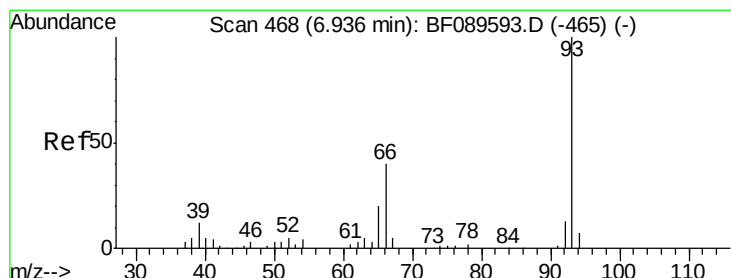
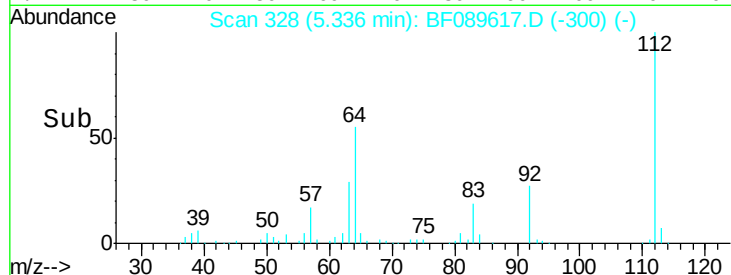
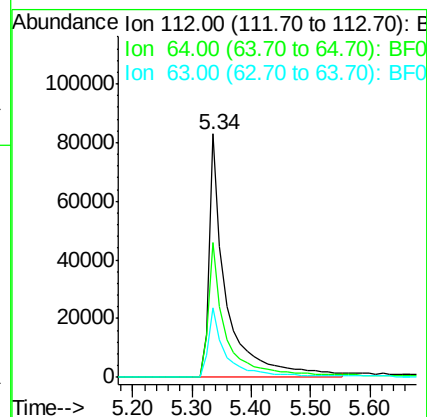
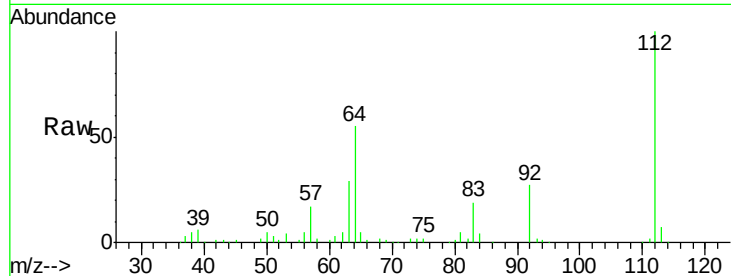
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	112	Resp:	169647
Ion Ratio	Lower	Upper	
112	100		
64	55.3	49.9	74.9
63	28.8	26.1	39.1

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#6

Aniline

Concen: 18.65 ng

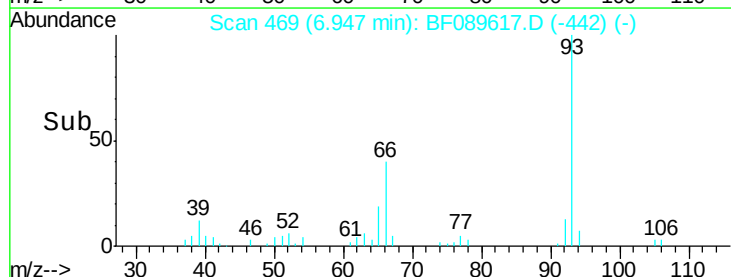
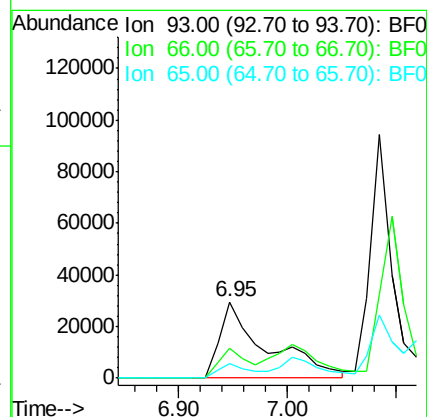
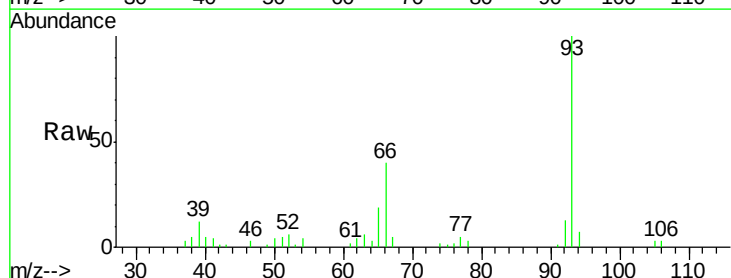
RT: 6.95 min Scan# 469

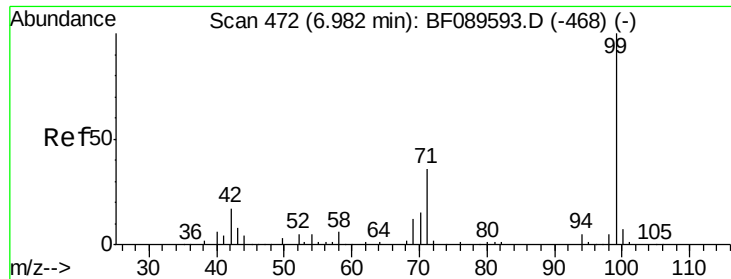
Delta R.T. 0.01 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	93	Resp:	88440
Ion Ratio	Lower	Upper	
93	100		
66	39.6	32.2	48.2
65	19.3	15.8	23.8





#7

Phenol-d6

Concen: 42.89 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

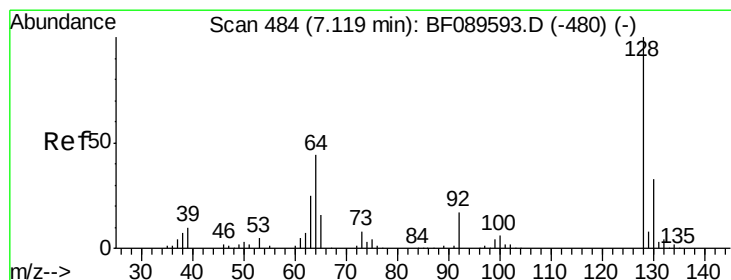
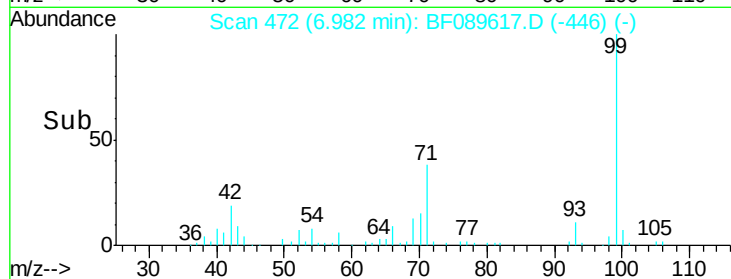
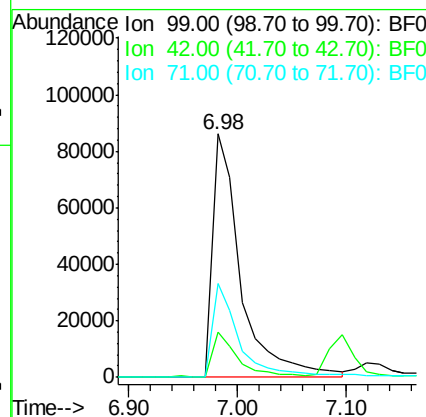
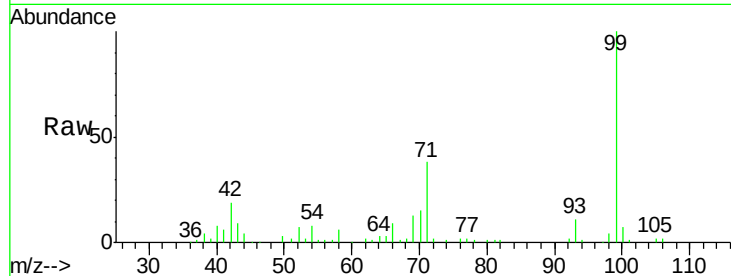
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	99	Resp:	156930
Ion Ratio	Lower	Upper	
99	100		
42	18.8	13.7	20.5
71	38.4	29.0	43.4

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#8

2-Chlorophenol

Concen: 38.46 ng

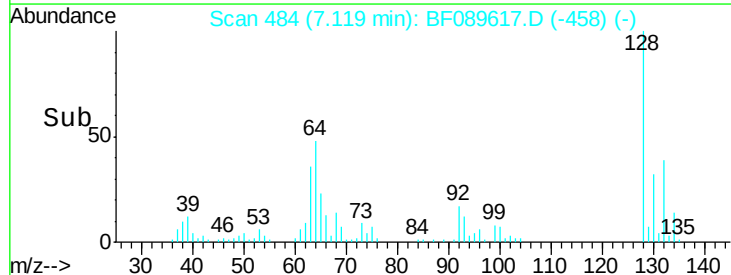
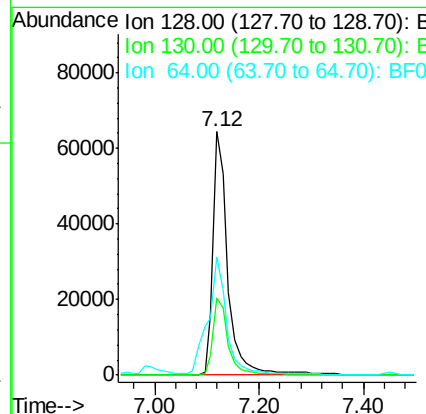
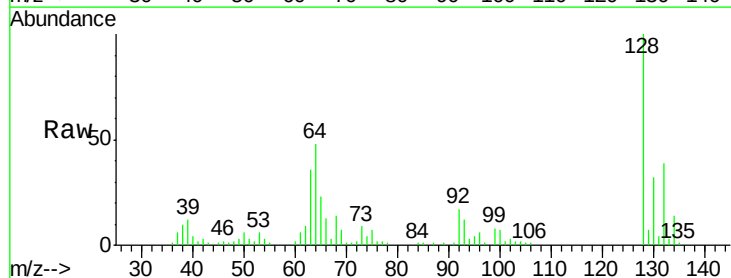
RT: 7.12 min Scan# 484

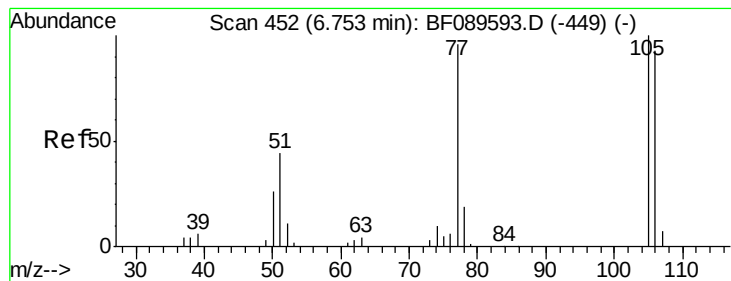
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	128	Resp:	127354
Ion Ratio	Lower	Upper	
128	100		
130	31.9	12.6	52.6
64	48.5	25.3	65.3





#9

Benzaldehyde

Concen: 37.70 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

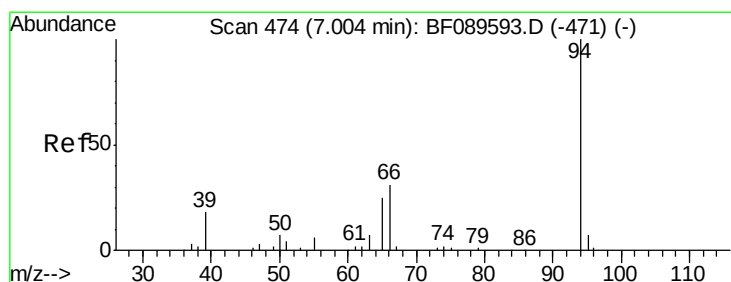
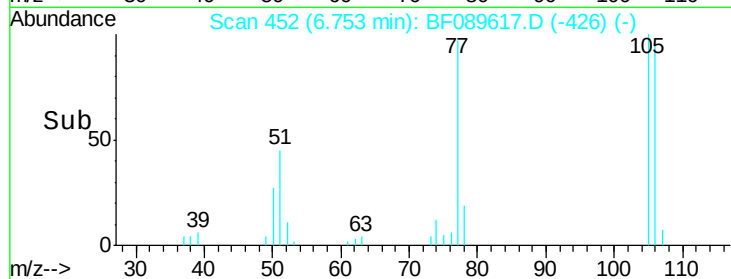
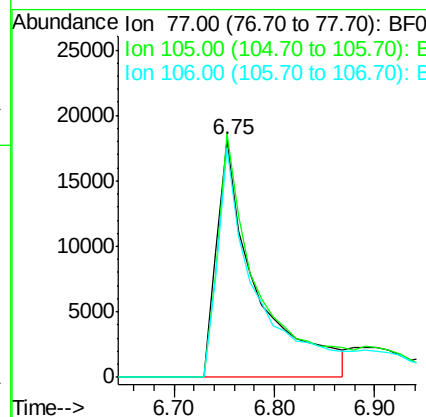
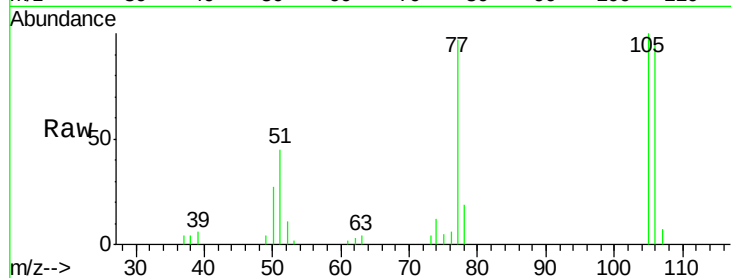
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	77	Resp:	50046
Ion	Ratio	Lower	Upper
77	100		
105	102.7	84.7	124.7
106	97.0	77.1	117.1

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#10

Phenol

Concen: 16.69 ng

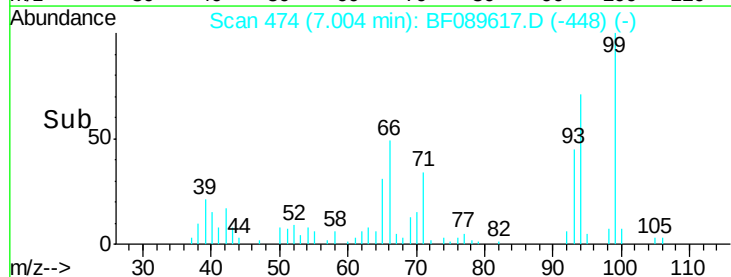
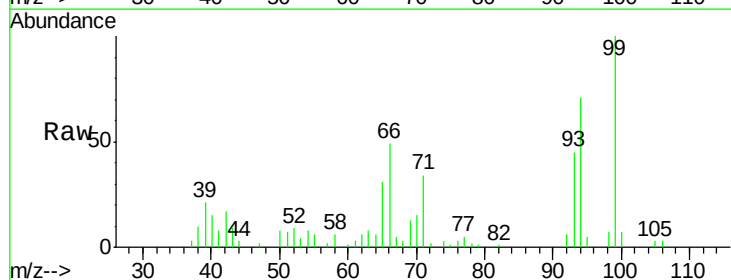
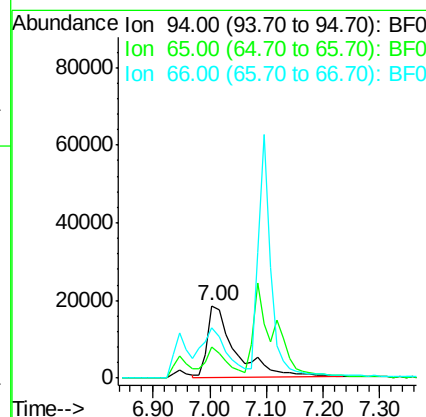
RT: 7.00 min Scan# 474

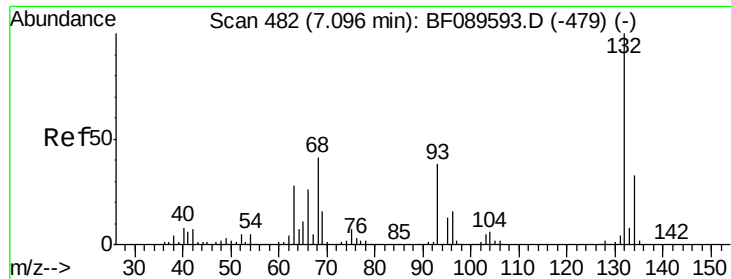
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	94	Resp:	62710
Ion	Ratio	Lower	Upper
94	100		
65	43.4	11.0	51.0
66	69.1	27.4	67.4#





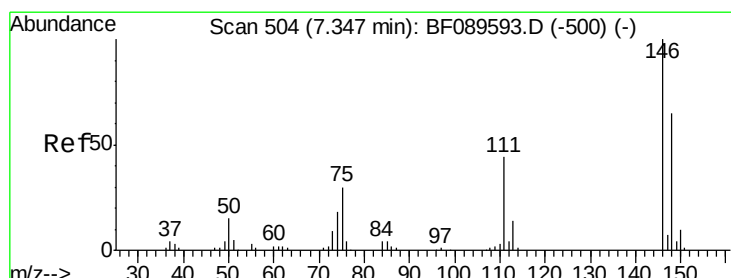
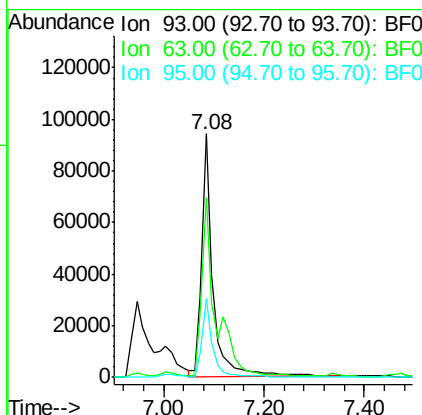
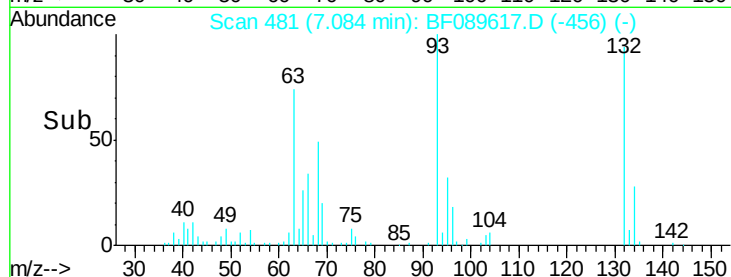
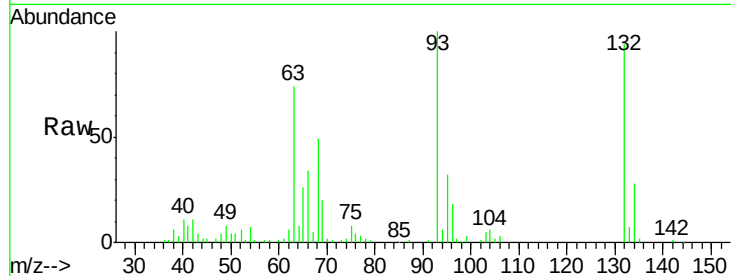
#11
bis(2-Chloroethyl)ether
Concen: 45.26 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Resp	Lower	Upper
93	100	146088		
63	74.0	52.2	92.2	
95	32.3	13.1	53.1	

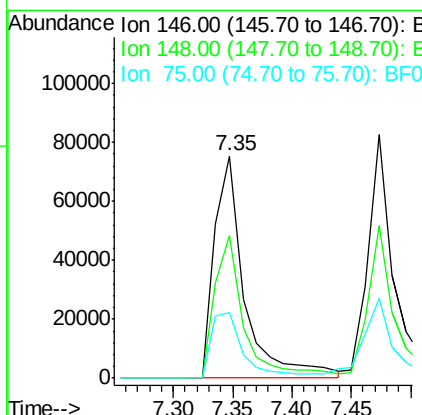
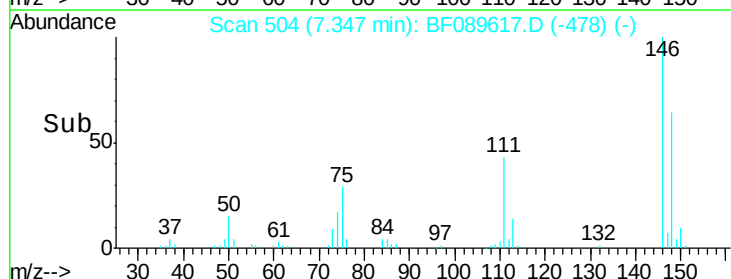
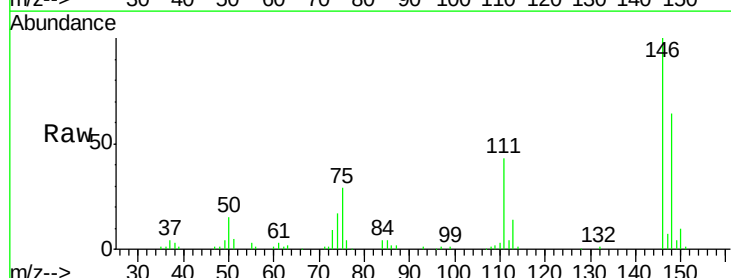
Manual Integrations
APPROVED

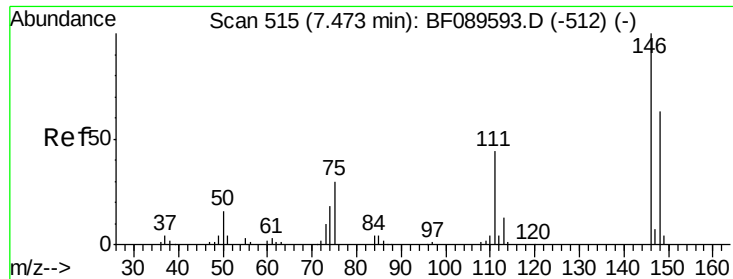
sohil
8/5/2016 6:58:59 PM



#12
1,3-Dichlorobenzene
Concen: 36.76 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132211		
148	64.0	52.1	78.1	
75	29.3	24.1	36.1	





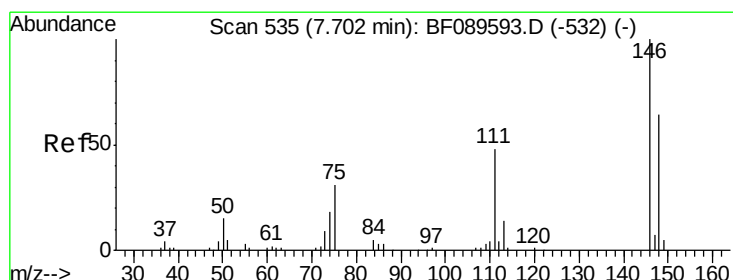
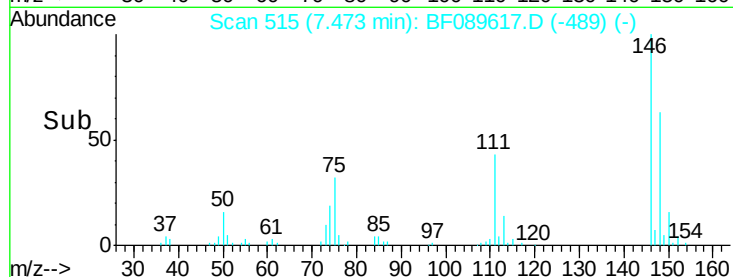
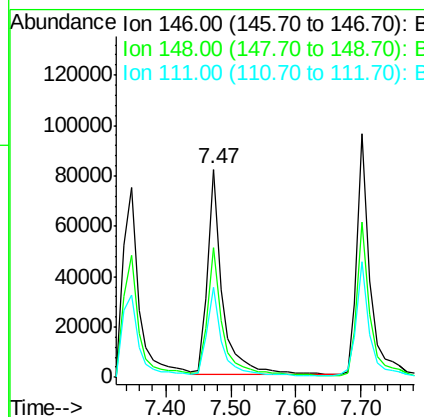
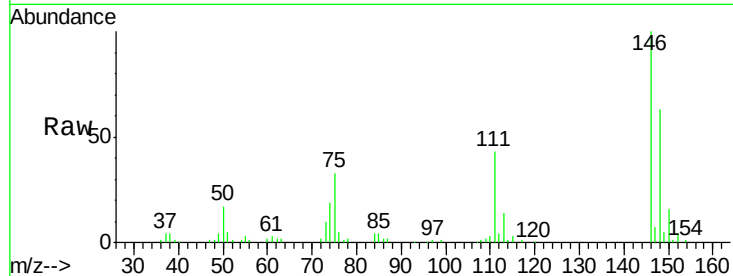
#13
 1,4-Dichlorobenzene
 Concen: 36.78 ng
 RT: 7.47 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.4	75.6
111	43.1	35.0	52.4

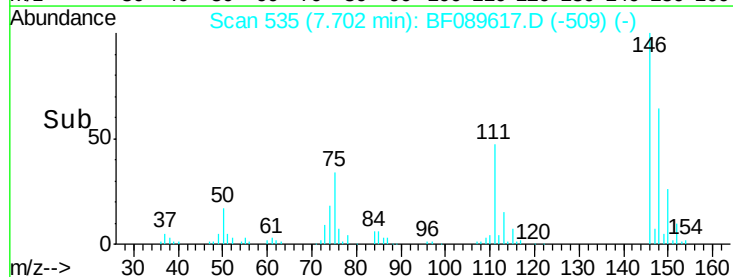
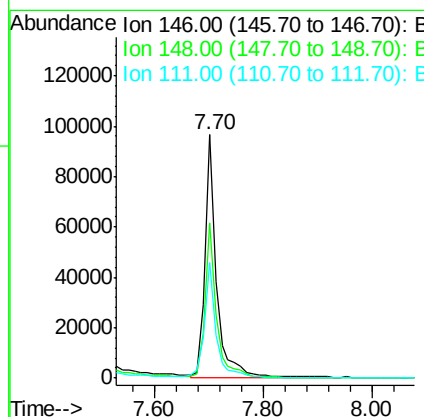
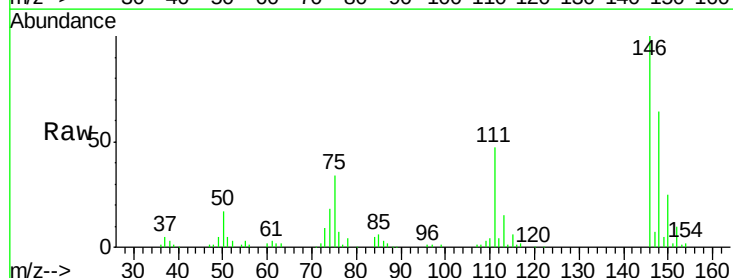
Manual Integrations
 APPROVED

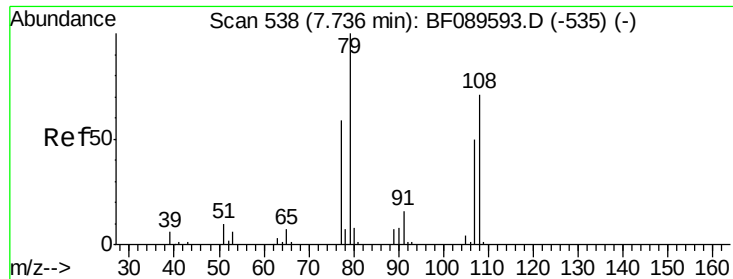
sohil
 8/5/2016 6:58:59 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.28 ng
 RT: 7.70 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	47.4	38.5	57.7





#15

Benzyl Alcohol

Concen: 32.53 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

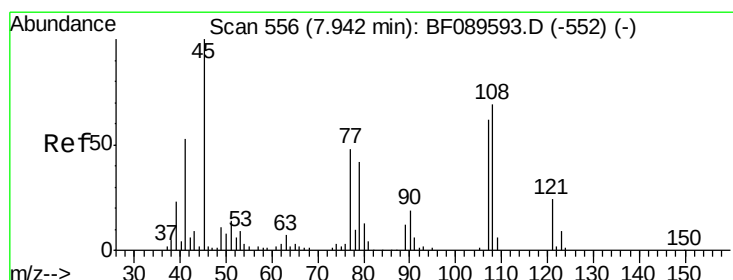
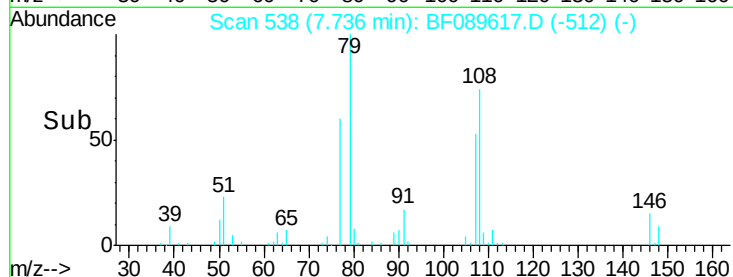
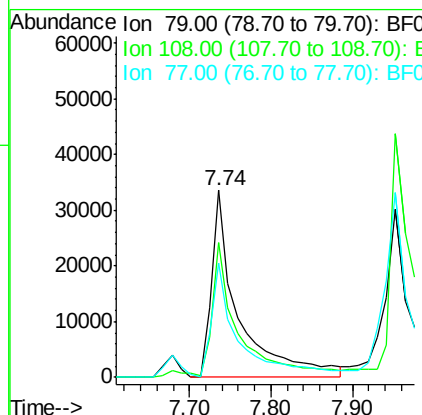
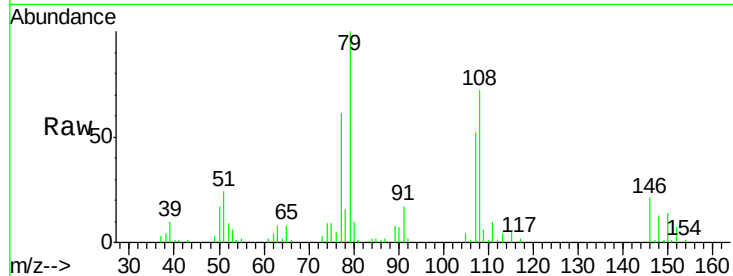
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	79	Resp:	78056
Ion	Ratio	Lower	Upper
79	100		
108	72.2	58.3	87.5
77	61.4	48.7	73.1

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.21 ng

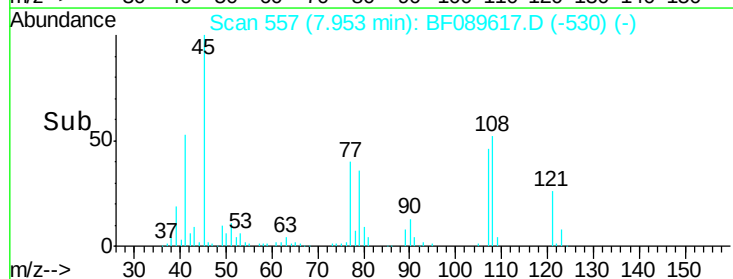
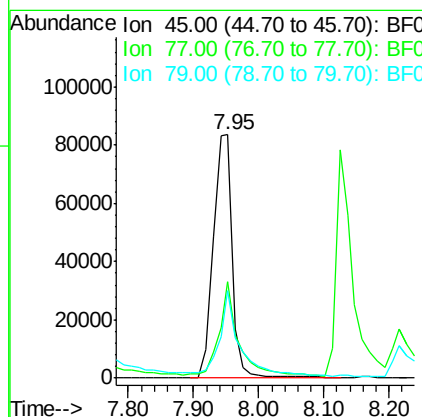
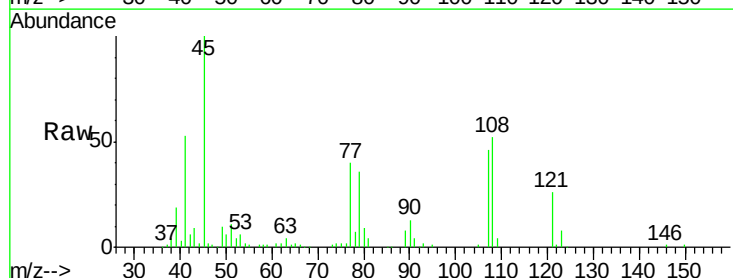
RT: 7.95 min Scan# 557

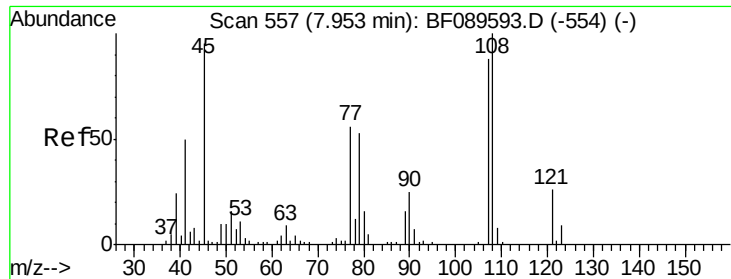
Delta R.T. 0.01 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	45	Resp:	173494
Ion	Ratio	Lower	Upper
45	100		
77	39.6	30.1	70.1
79	36.1	25.5	65.5





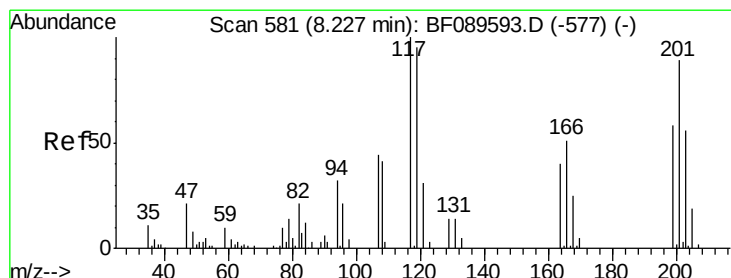
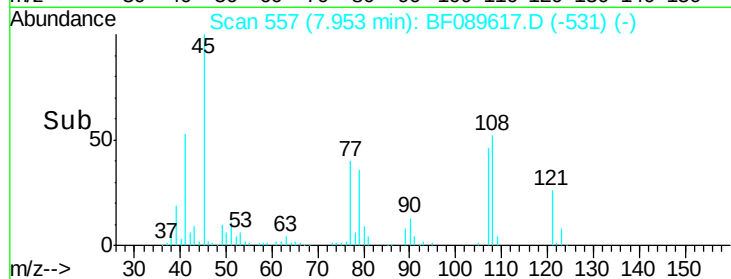
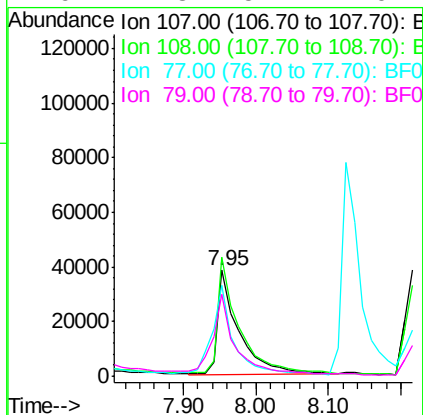
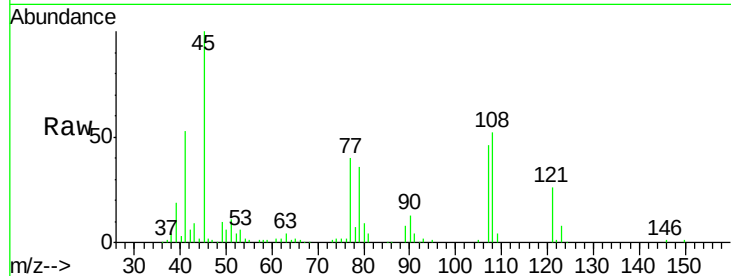
#17
2-Methylphenol
Concen: 32.57 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.2	136.8
77	85.4	54.6	82.0
79	77.8	52.7	79.1

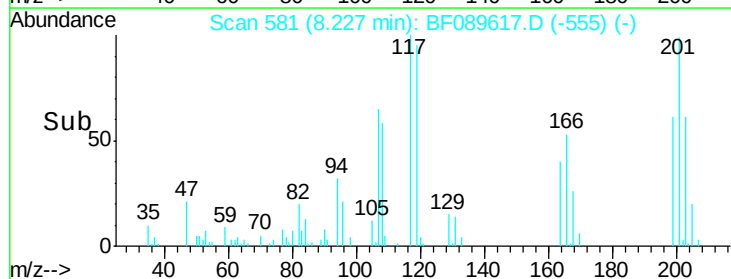
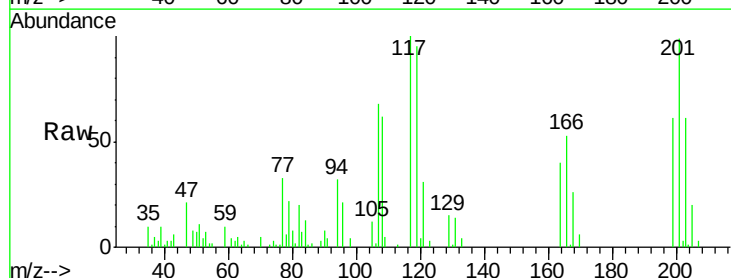
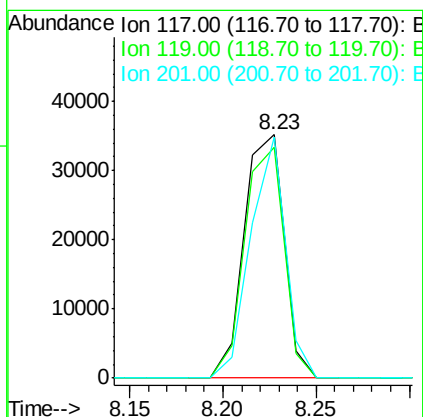
Manual Integrations
APPROVED

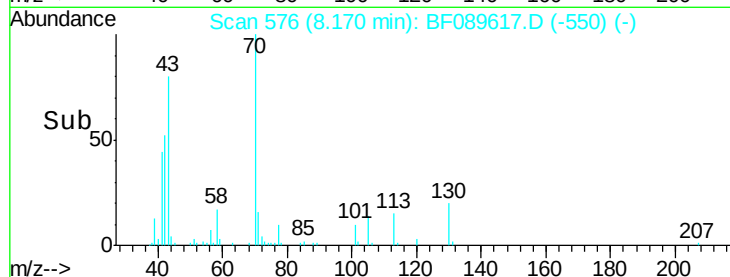
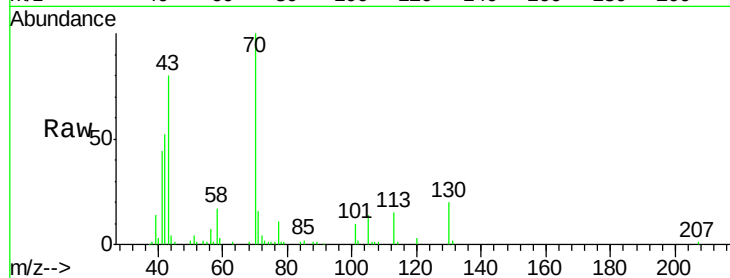
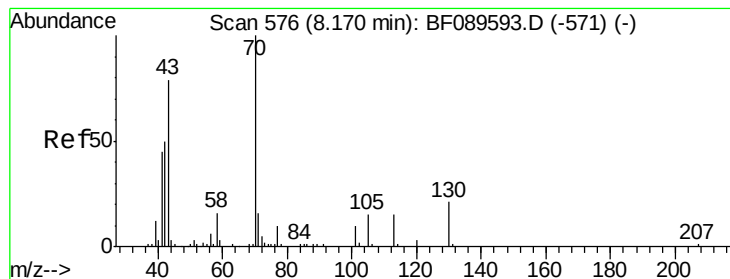
sohil
8/5/2016 6:58:59 PM



#18
Hexachloroethane
Concen: 34.66 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.7	113.5
201	99.0	71.6	107.4





#19

n-Nitroso-di-n-propylamine

Concen: 45.97 ng

RT: 8.17 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.7	40.2	60.2
101	9.6	7.8	11.6
130	20.0	16.4	24.6

Instrument :

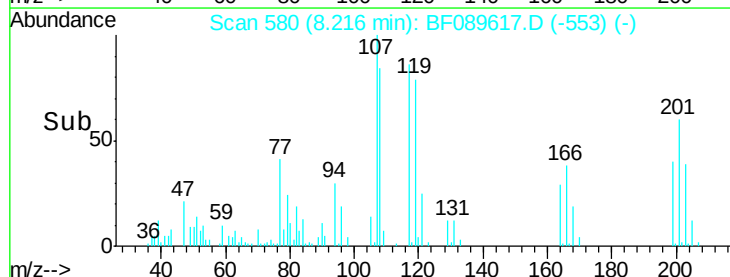
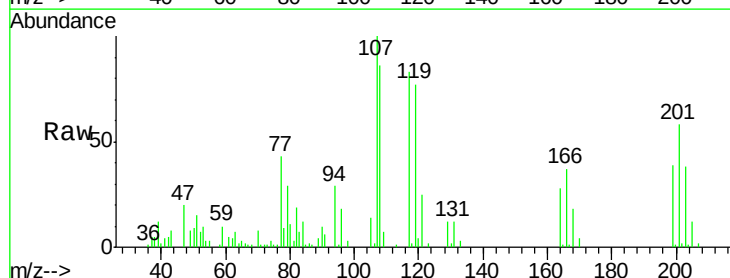
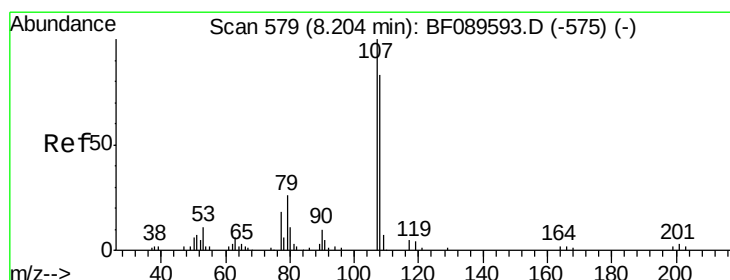
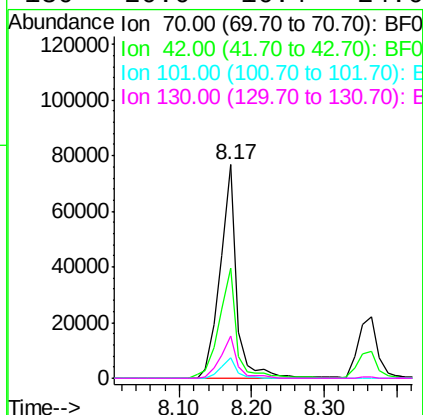
BNA_F

ClientSampleId :

GW-64-9.0-15.0MSD

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#20

3+4-Methylphenols

Concen: 30.55 ng

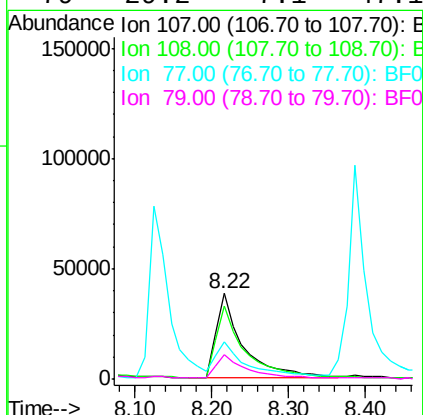
RT: 8.22 min Scan# 580

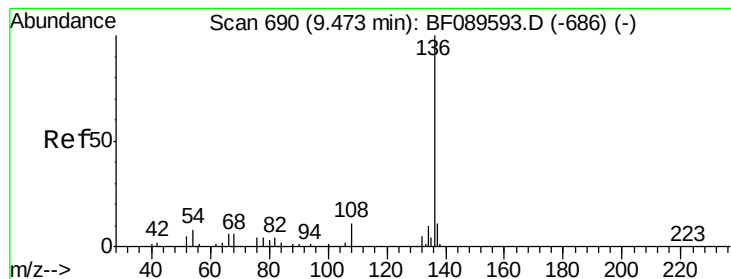
Delta R.T. 0.01 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.9	63.8	103.8
77	43.4	19.5	59.5
79	29.2	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: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

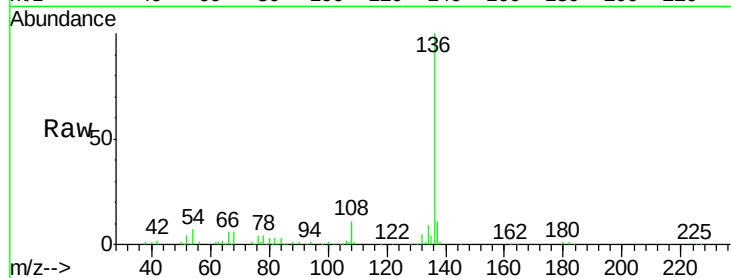
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	198426		
137	11.1	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 6:58:59 PM



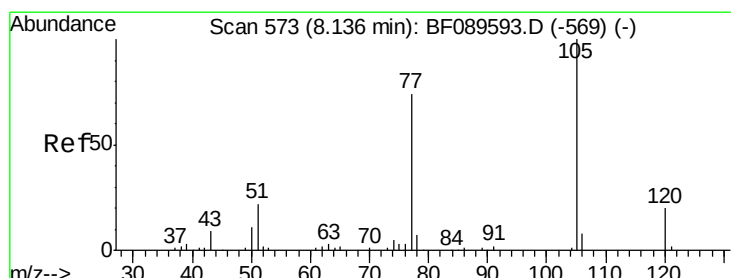
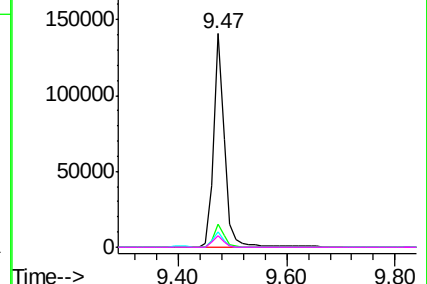
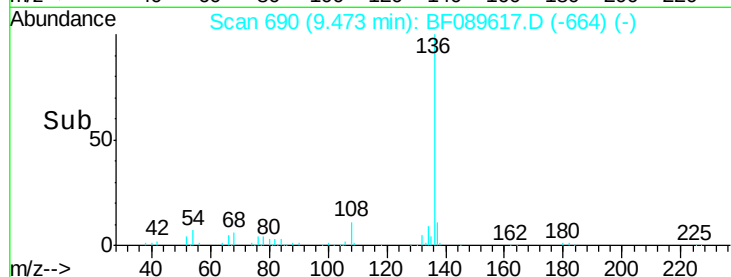
Abundance

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: 37.98 ng

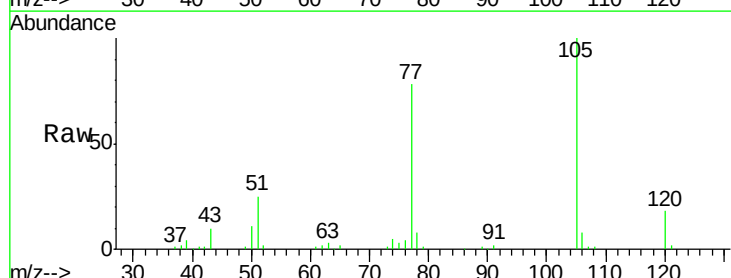
RT: 8.12 min Scan# 572

Delta R.T. -0.01 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	179665		
71	0.0	0.0	0.0	
51	25.3	18.2	27.2	
120	18.5	15.7	23.5	



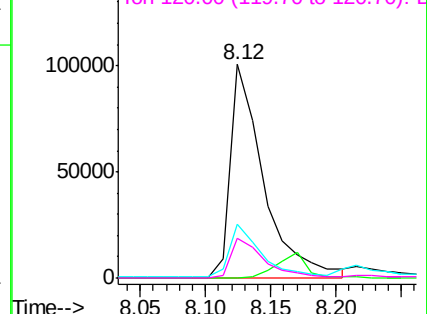
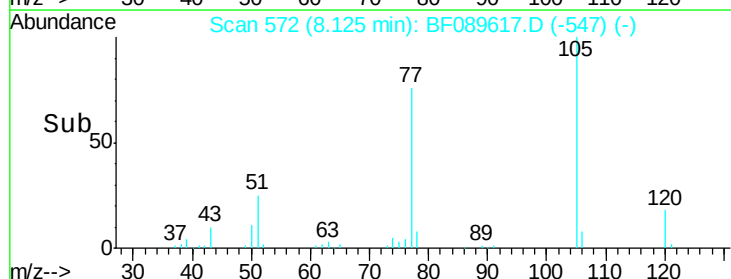
Abundance

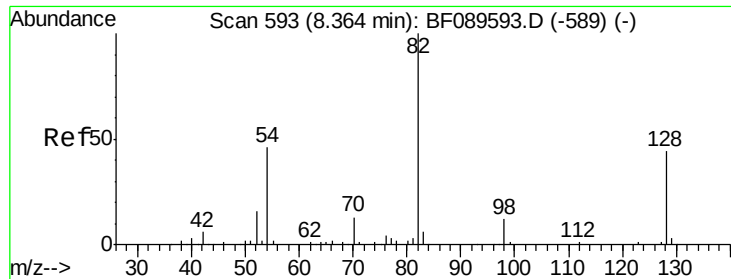
Ion 105.00 (104.70 to 105.70): E

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





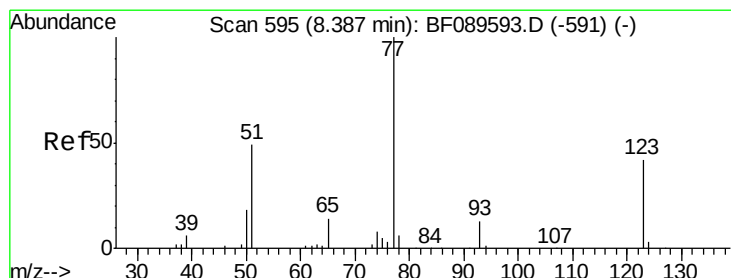
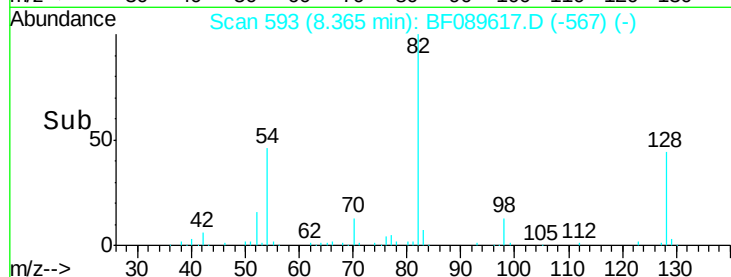
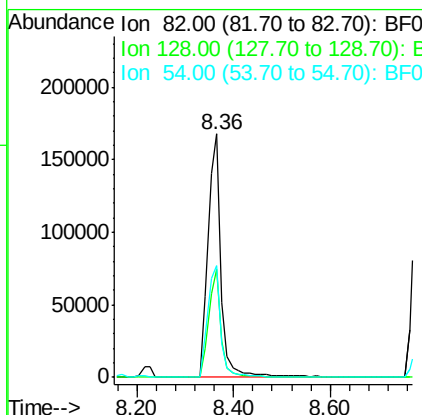
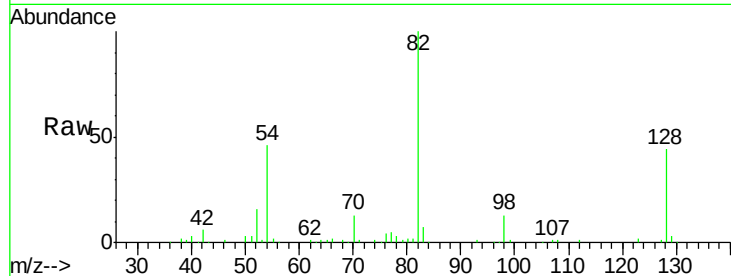
#23
 Nitrobenzene-d5
 Concen: 88.90 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	35.4	53.0	
54	45.8	36.4	54.6	

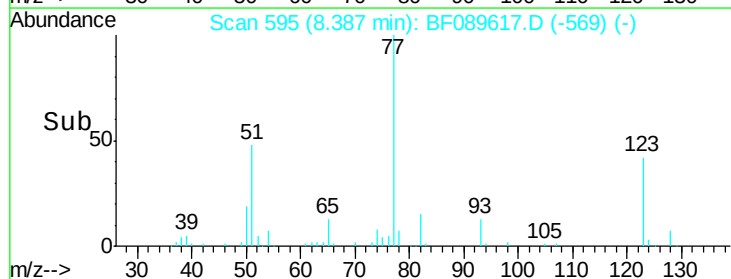
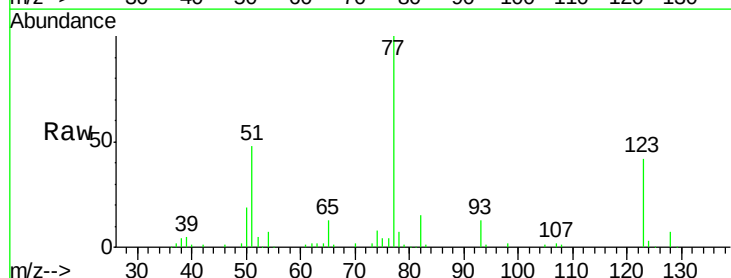
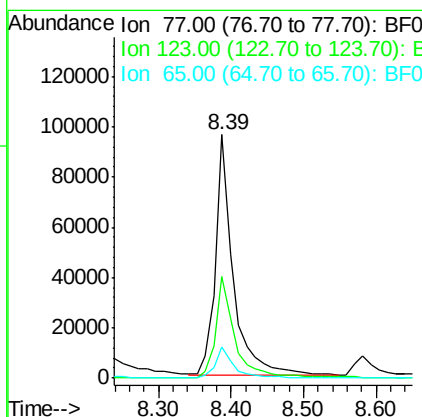
Manual Integrations
 APPROVED

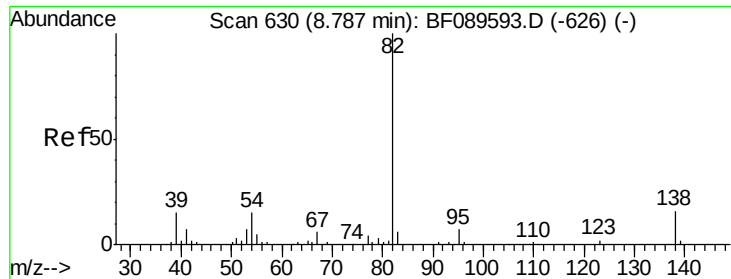
sohil
 8/5/2016 6:58:59 PM



#24
 Nitrobenzene
 Concen: 47.15 ng
 RT: 8.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	41.8	32.6	49.0	
65	12.8	11.0	16.6	





#25

Isophorone

Concen: 45.67 ng

RT: 8.79 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

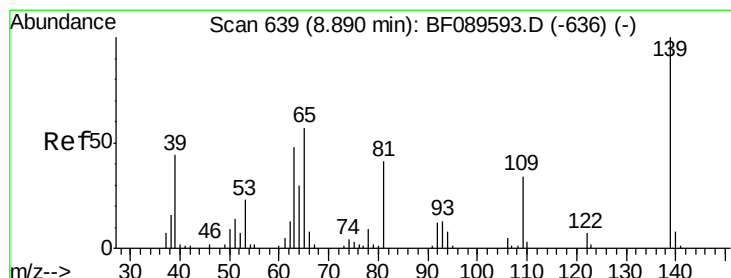
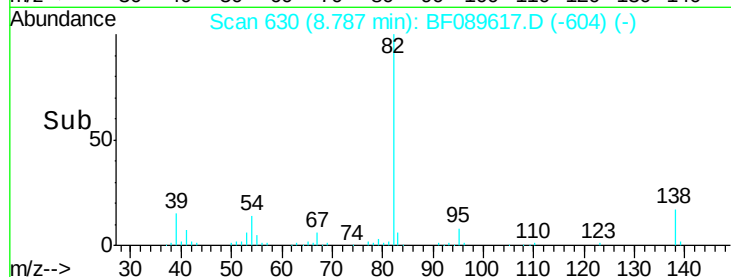
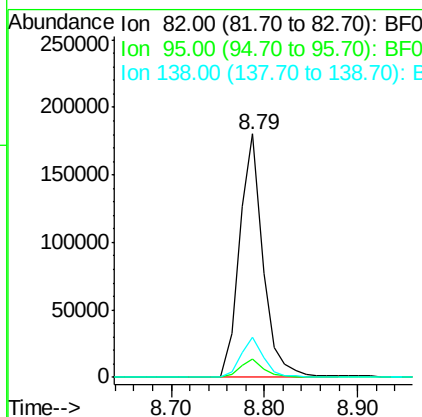
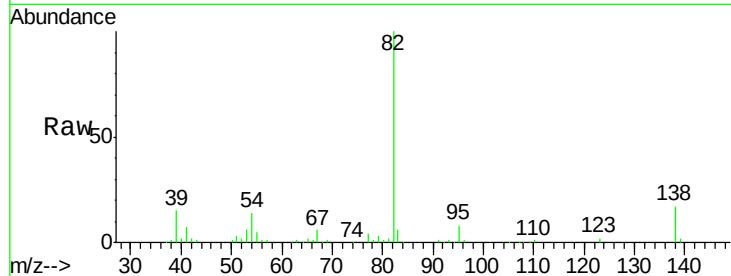
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	82	Resp:	313704
Ion Ratio	Lower	Upper	
82	100		
95	7.7	5.8	8.8
138	16.5	12.6	18.8

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#26

2-Nitrophenol

Concen: 43.63 ng

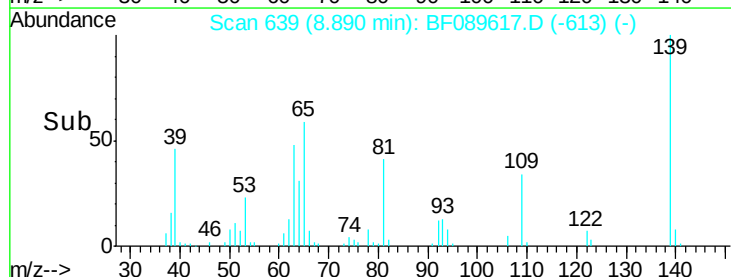
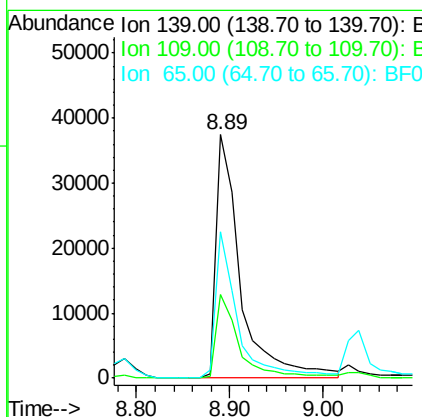
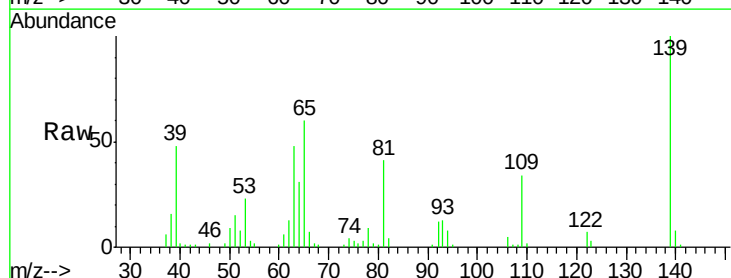
RT: 8.89 min Scan# 639

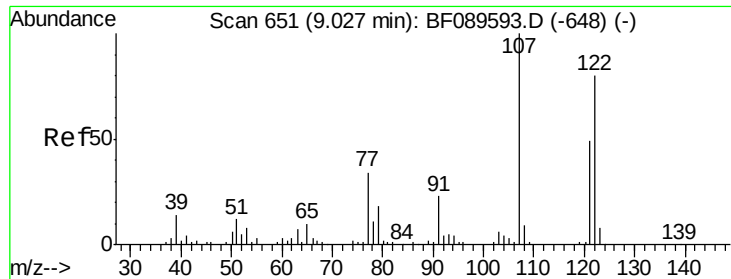
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	139	Resp:	68224
Ion Ratio	Lower	Upper	
139	100		
109	34.2	27.5	41.3
65	60.2	45.7	68.5





#27

2,4-Dimethylphenol

Concen: 40.78 ng

RT: 9.04 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

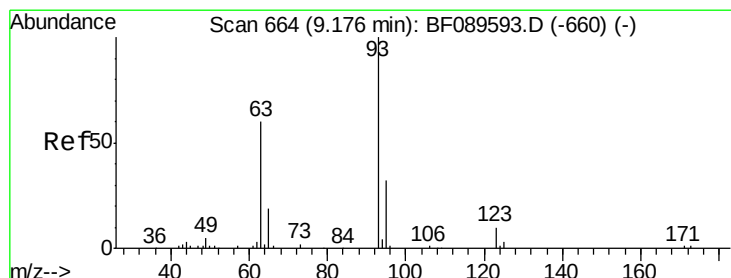
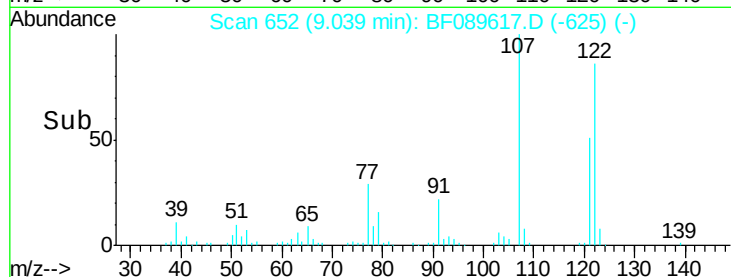
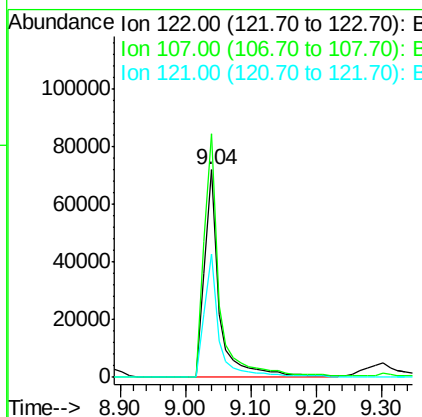
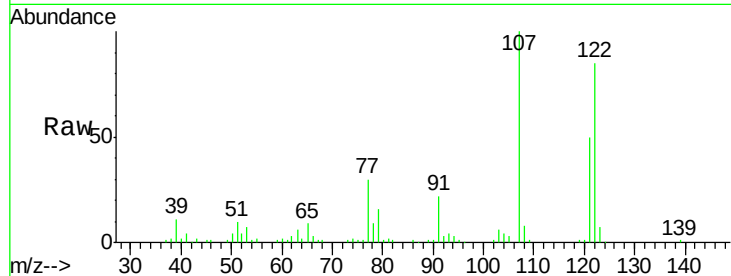
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	122	Resp:	114650
Ion Ratio	Lower	Upper	
122	100		
107	117.2	99.5	149.3
121	59.1	48.5	72.7

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#28

bis(2-Chloroethoxy)methane

Concen: 46.33 ng

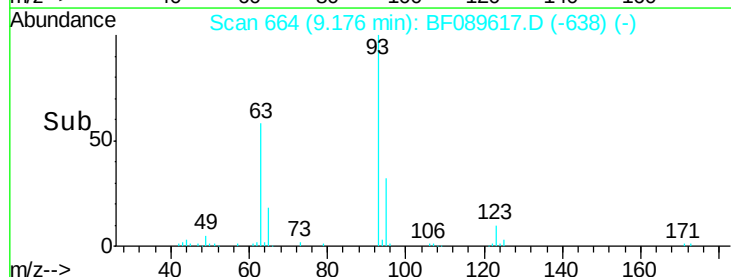
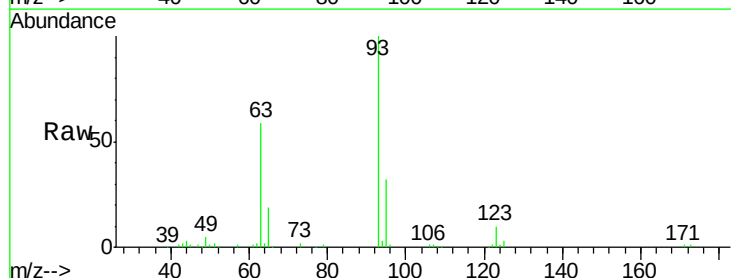
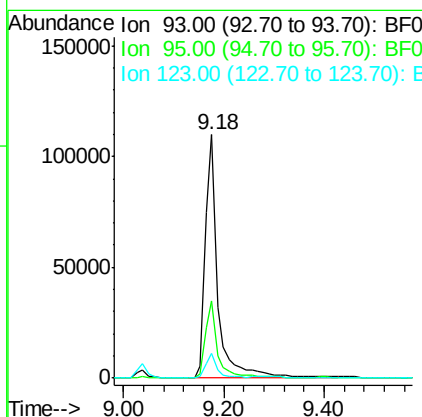
RT: 9.18 min Scan# 664

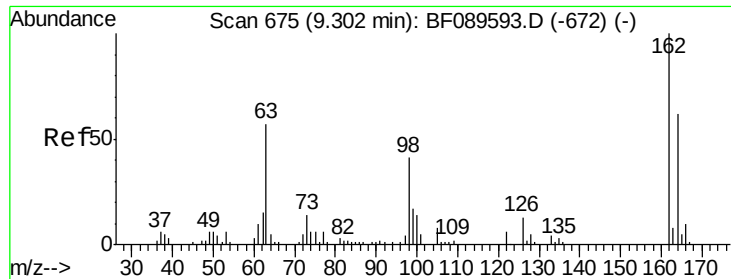
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	93	Resp:	192522
Ion Ratio	Lower	Upper	
93	100		
95	31.6	25.8	38.8
123	10.0	8.0	12.0





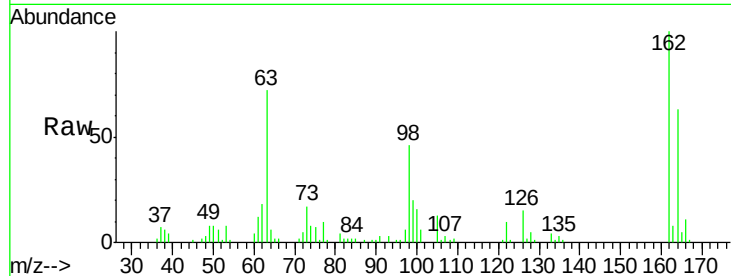
#29
 2,4-Dichlorophenol
 Concen: 42.32 ng
 RT: 9.30 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

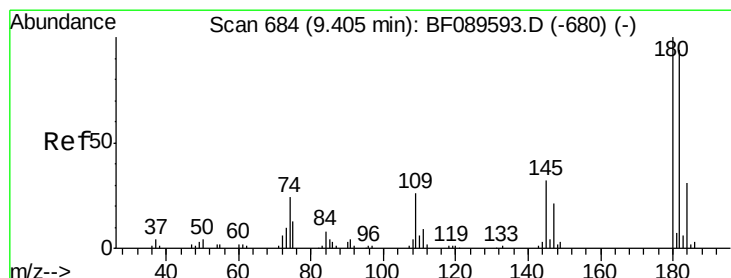
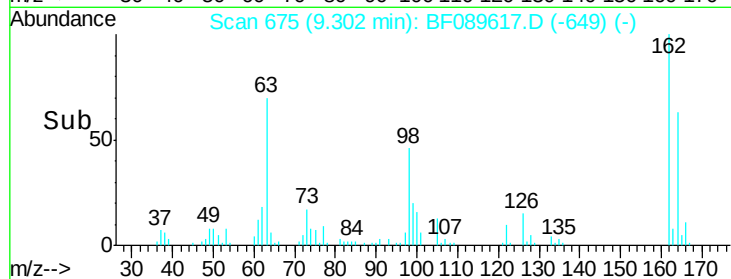
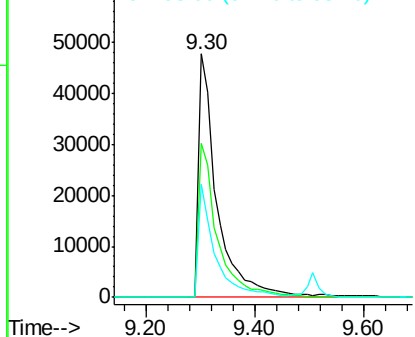
Tot Ion:	162	Resp:	112576
Ion Ratio	Lower	Upper	
162	100		
164	63.1	42.3	82.3
98	46.5	21.2	61.2

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:59 PM



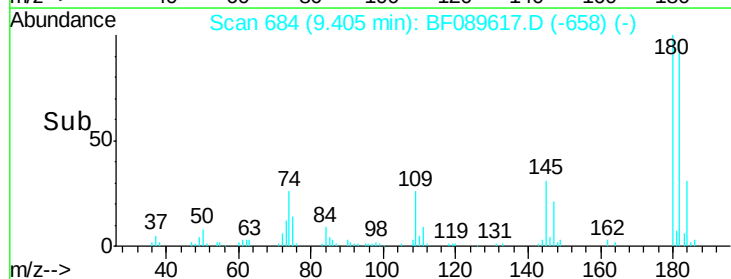
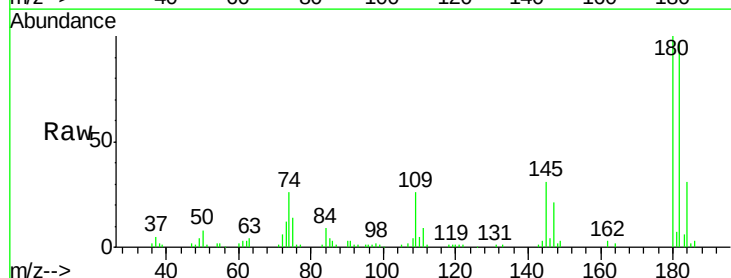
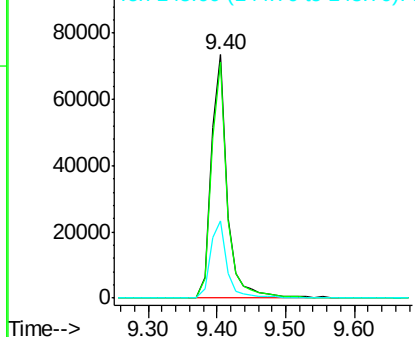
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

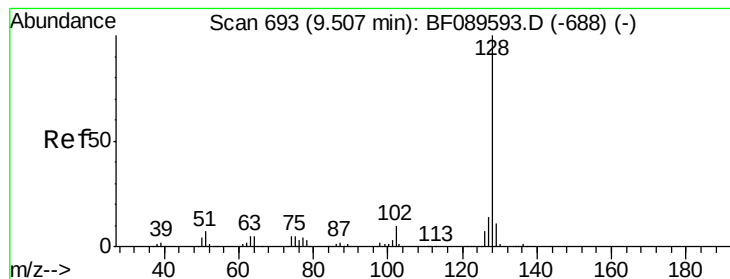


#30
 1,2,4-Trichlorobenzene
 Concen: 39.51 ng
 RT: 9.40 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion:	180	Resp:	120021
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.0	112.6
145	31.5	25.6	38.4

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.23 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

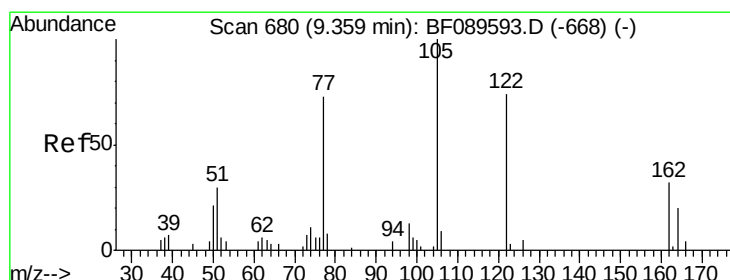
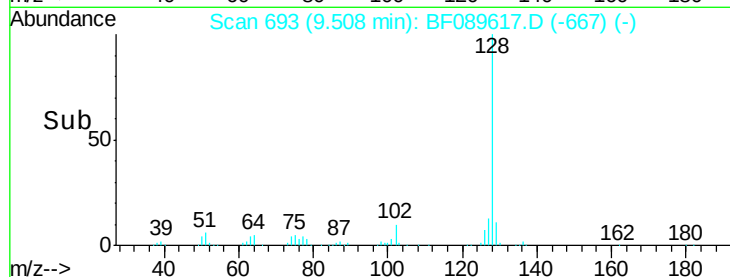
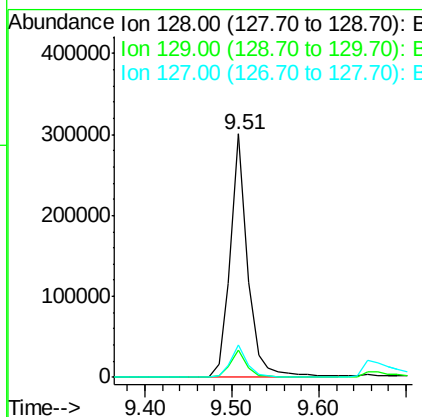
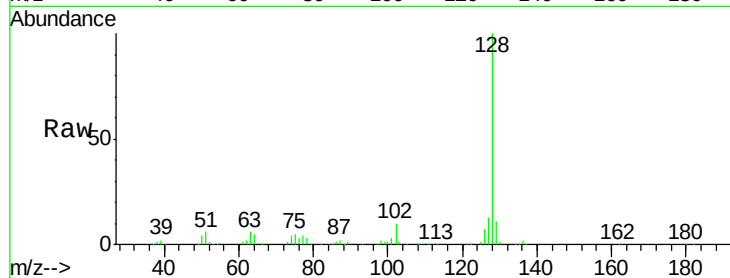
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	128	Resp:	424269
Ion Ratio		Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.1	10.9	16.3

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#32

Benzoic acid

Concen: 9.12 ng

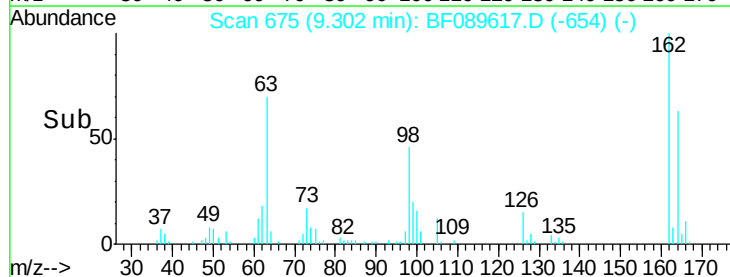
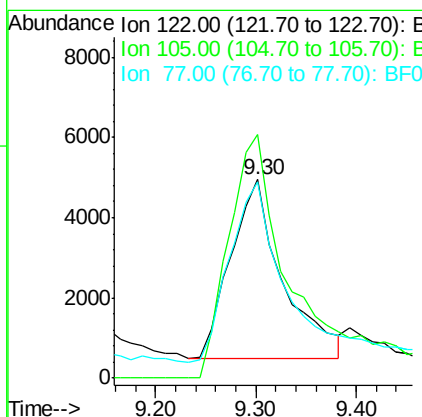
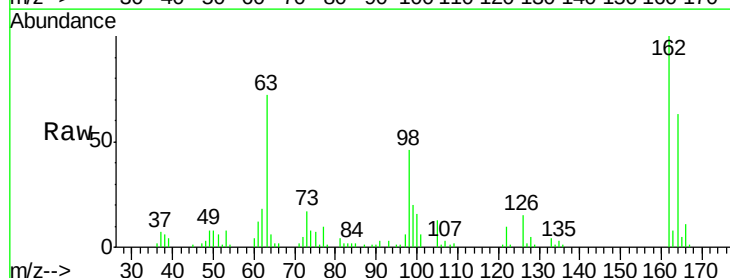
RT: 9.30 min Scan# 675

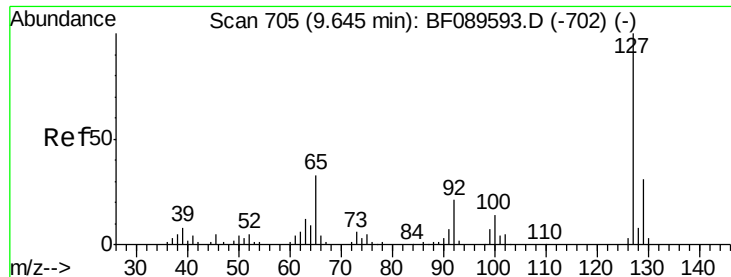
Delta R.T. -0.06 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	122	Resp:	16105
Ion Ratio		Lower	Upper
122	100		
105	122.6	109.9	149.9
77	98.8	77.5	117.5





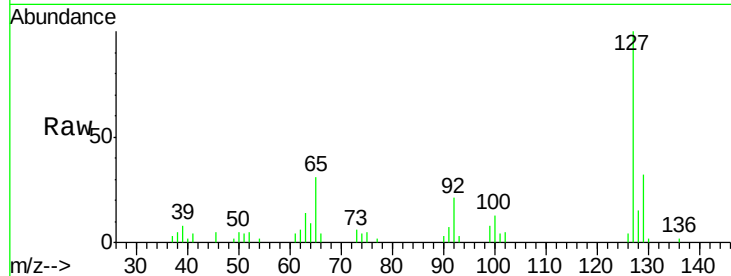
#33
4-Chloroaniline
Concen: 17.04 ng
RT: 9.66 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

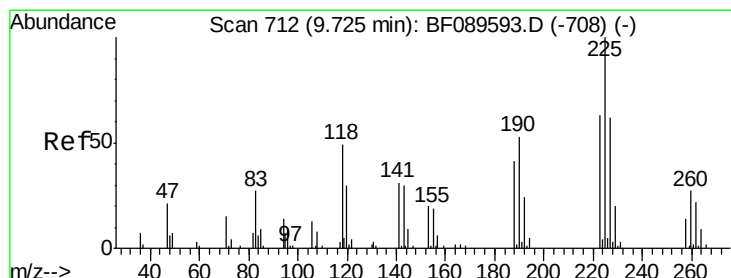
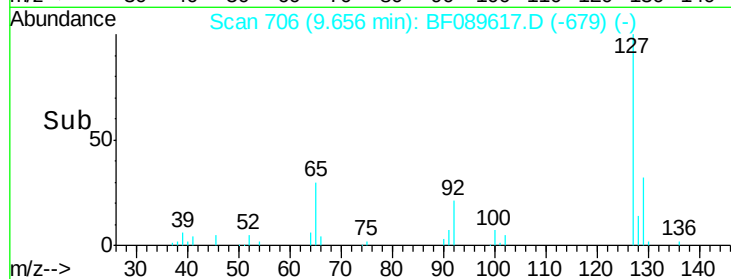
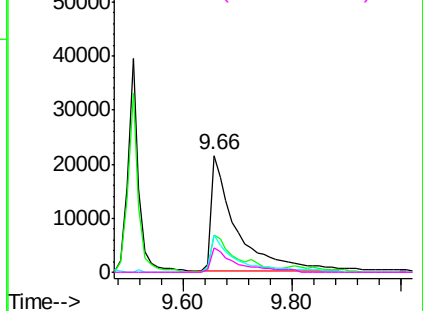
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		67496		
129	31.6	25.1	37.7		
65	31.4	26.2	39.2		
92	20.5	16.9	25.3		

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



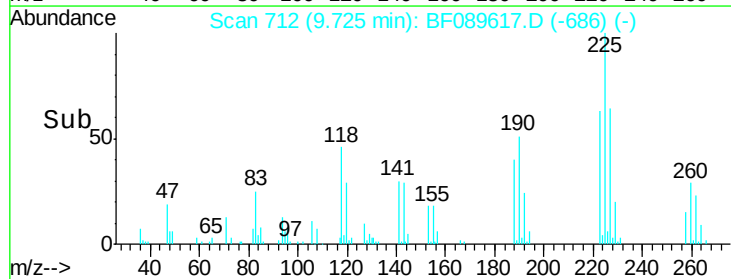
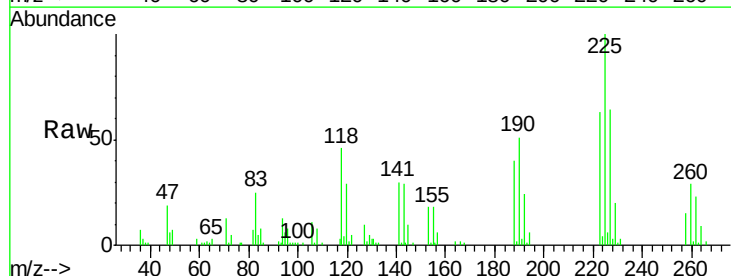
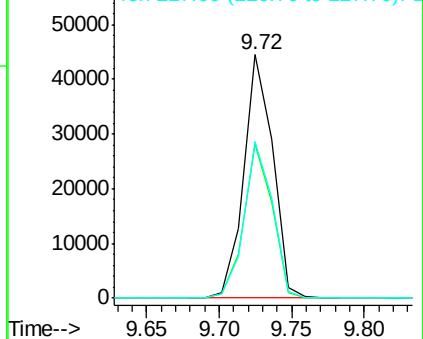
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

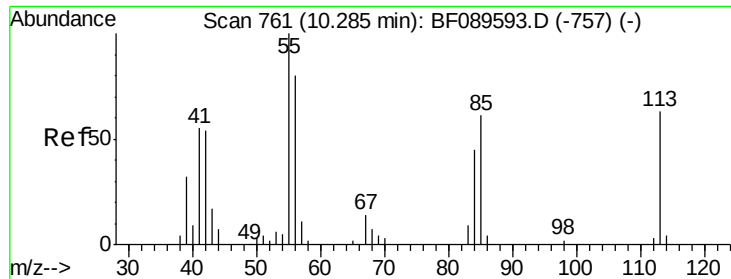


#34
Hexachlorobutadiene
Concen: 35.20 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		61578		
223	63.2	50.7	76.1		
227	64.2	49.4	74.0		

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





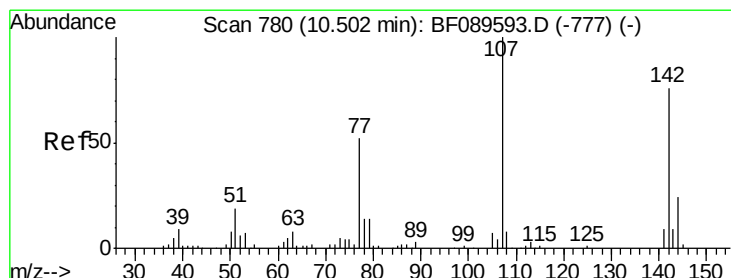
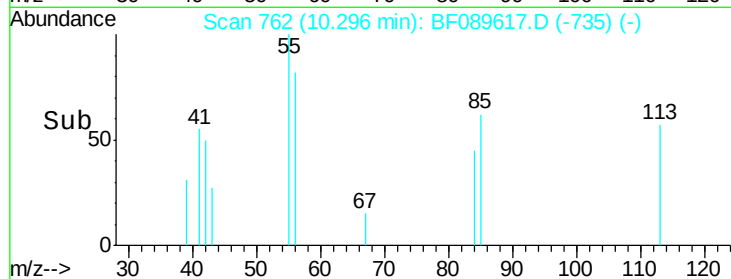
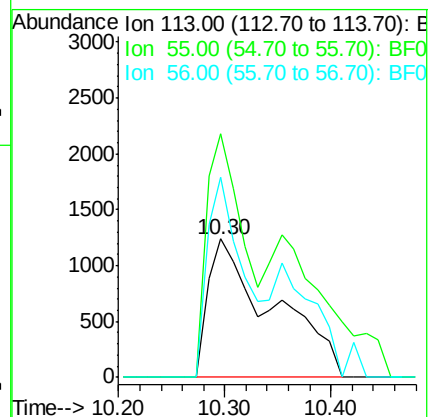
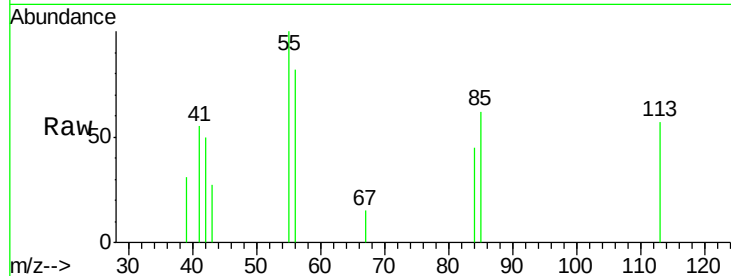
#35
 Caprolactam
 Concen: 6.78 ng/ml
 RT: 10.30 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion: 113 Resp: 5258
 Ion Ratio Lower Upper
 113 100
 55 176.0 139.6 179.6
 56 144.4 108.2 148.2

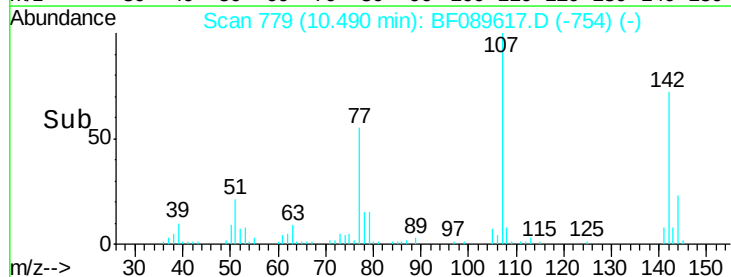
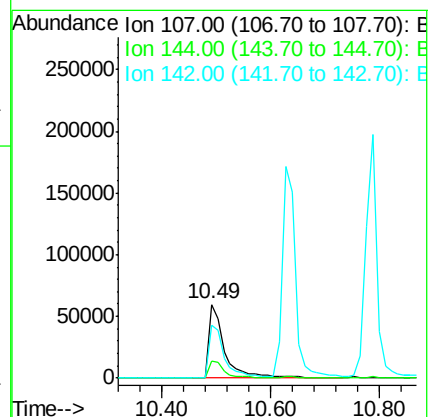
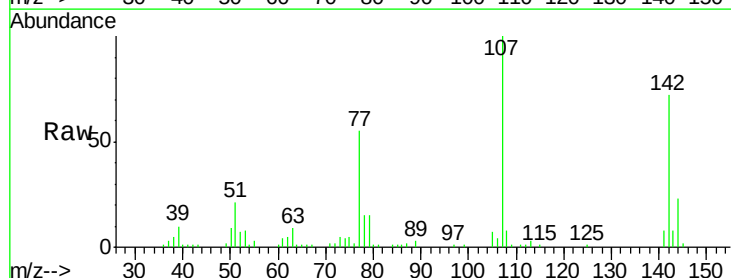
Manual Integrations
 APPROVED

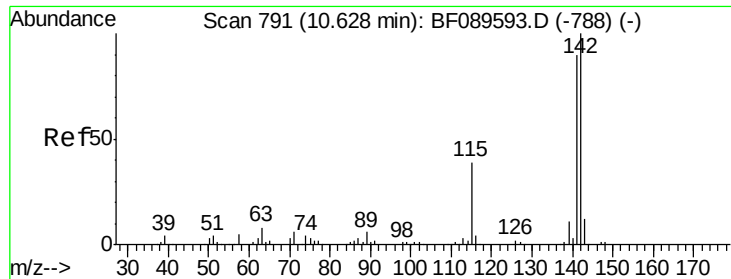
sohil
 8/5/2016 6:58:59 PM



#36
 4-Chloro-3-methylphenol
 Concen: 38.98 ng/ml
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion: 107 Resp: 120531
 Ion Ratio Lower Upper
 107 100
 144 22.7 18.9 28.3
 142 72.0 60.4 90.6





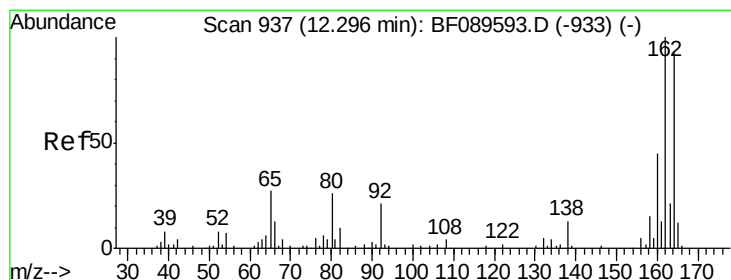
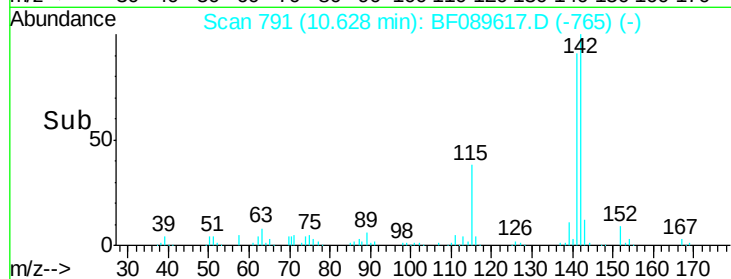
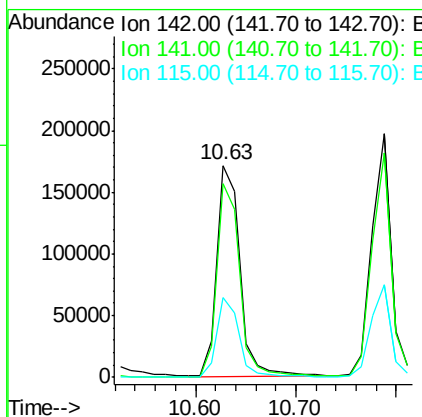
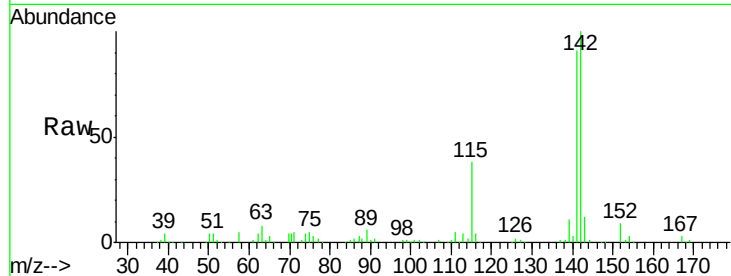
#37
2-Methylnaphthalene
Concen: 42.21 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.8	107.6
115	37.8	31.0	46.4

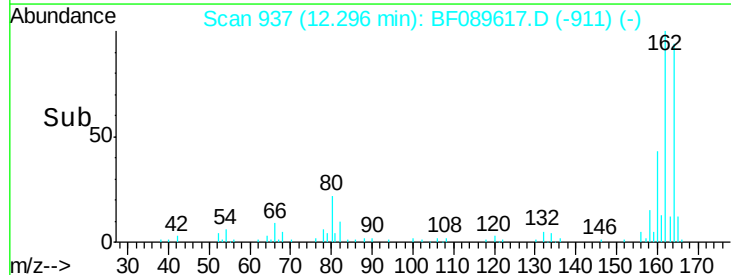
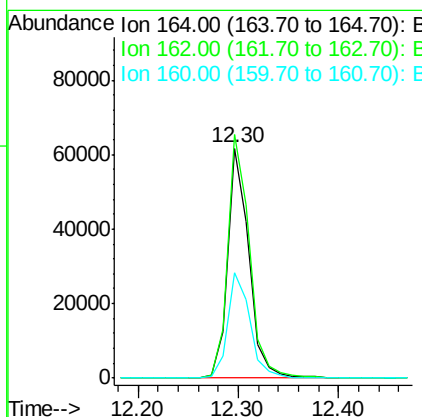
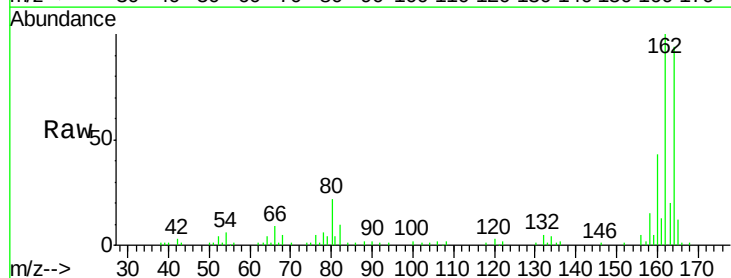
Manual Integrations
APPROVED

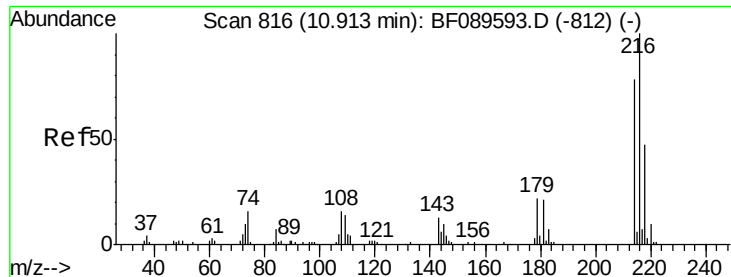
sohil
8/5/2016 6:58:59 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	85.7	128.5
160	45.6	38.2	57.4





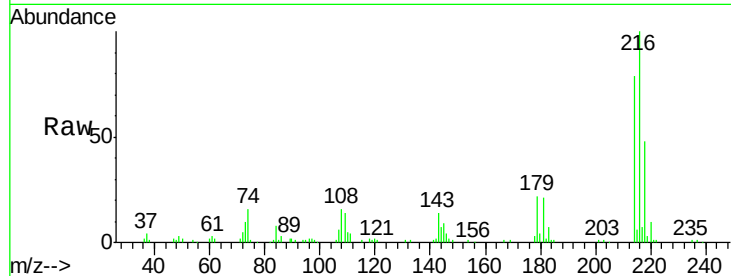
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 32.75 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

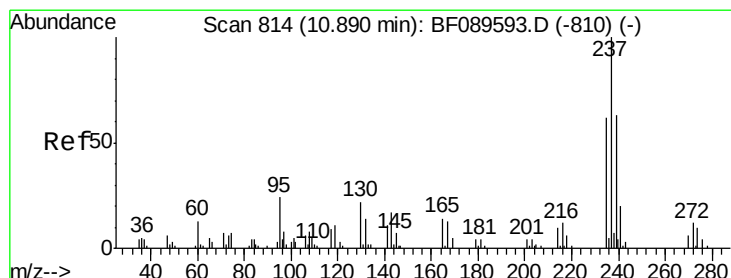
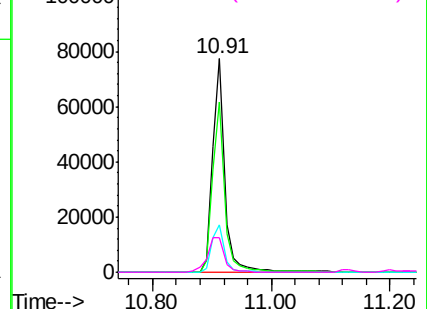
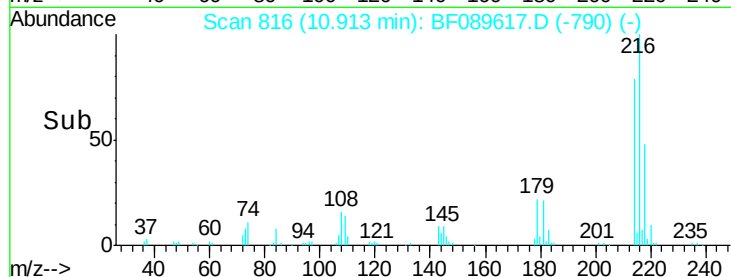
Tot Ion	Ratio	Resp	Lower	Upper
216	100	111155		
214	79.4	62.6	94.0	
179	23.2	17.8	26.8	
108	22.6	16.3	24.5	

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:59 PM

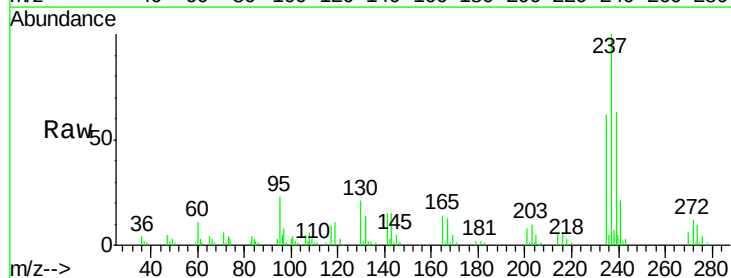


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

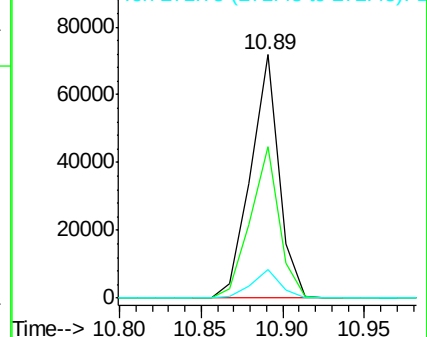
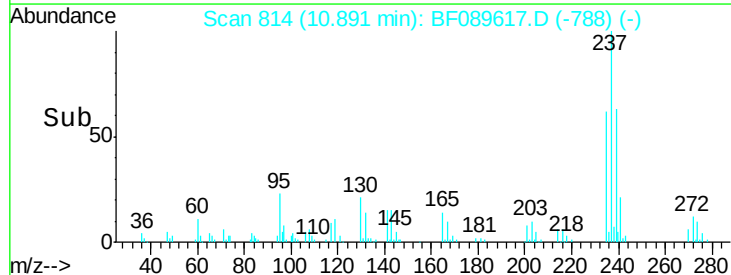


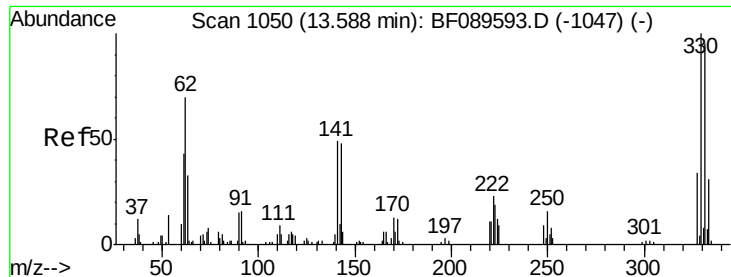
#40
 Hexachlorocyclopentadiene
 Concen: 74.58 ng
 RT: 10.89 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	86777		
235	62.1	41.9	81.9	
272	11.9	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





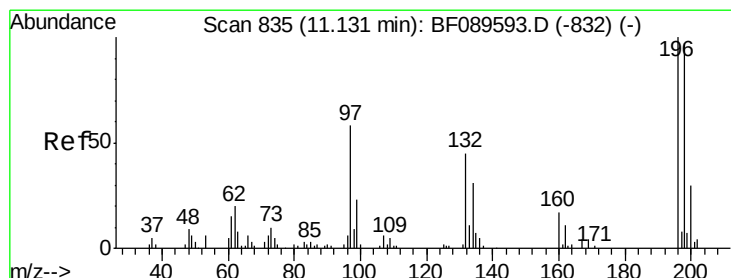
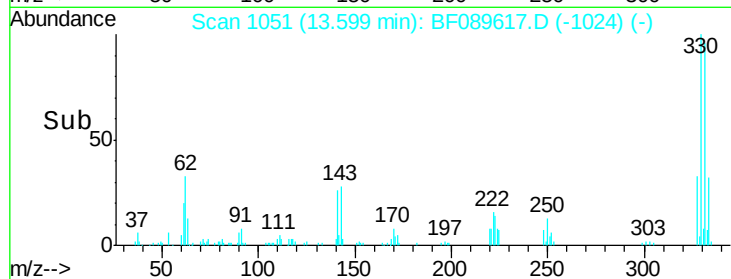
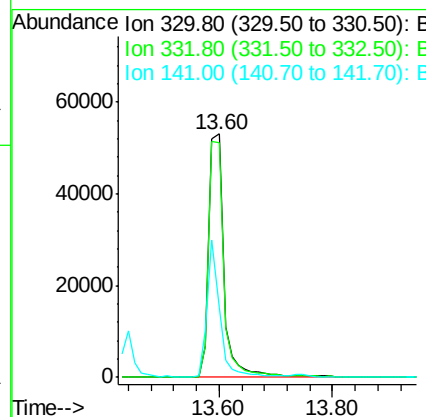
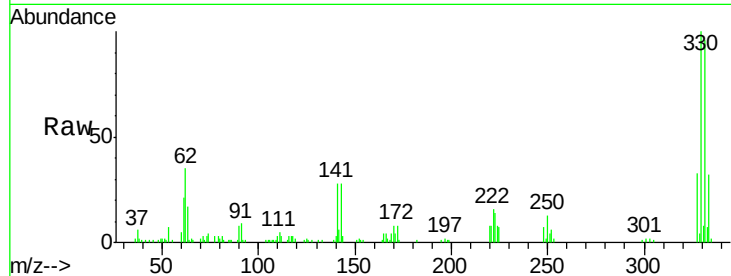
#41
 2,4,6-Tribromophenol
 Concen: 128.40 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	47.1	38.6	57.8

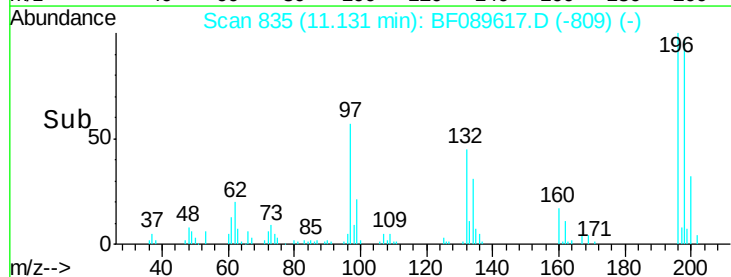
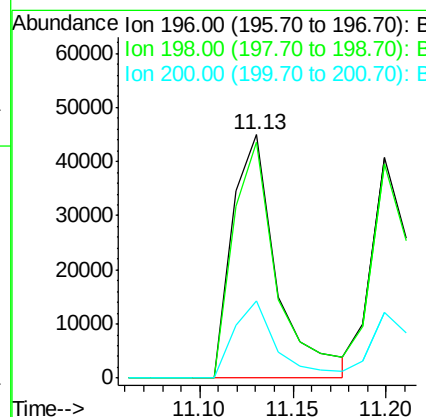
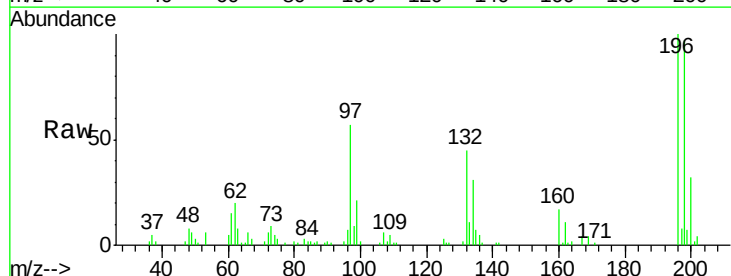
Manual Integrations
 APPROVED

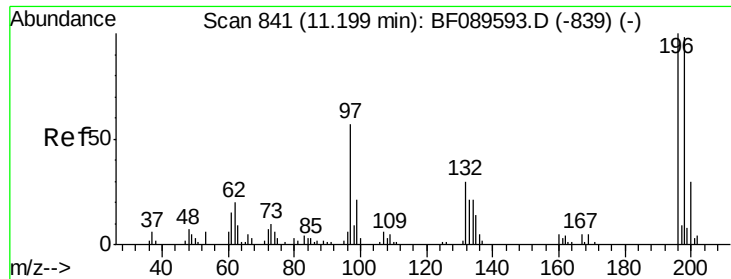
sohil
 8/5/2016 6:58:59 PM



#42
 2,4,6-Trichlorophenol
 Concen: 44.91 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.6	116.4
200	31.8	23.8	35.8





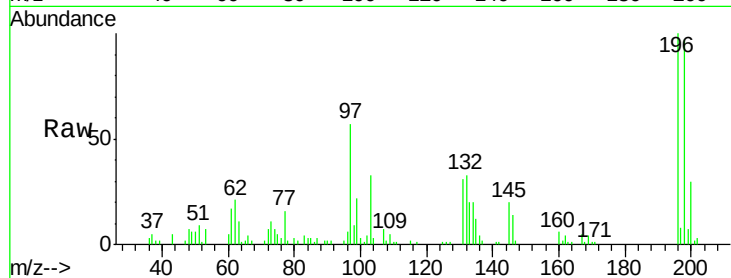
#43
 2,4,5-Trichlorophenol
 Concen: 44.97 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

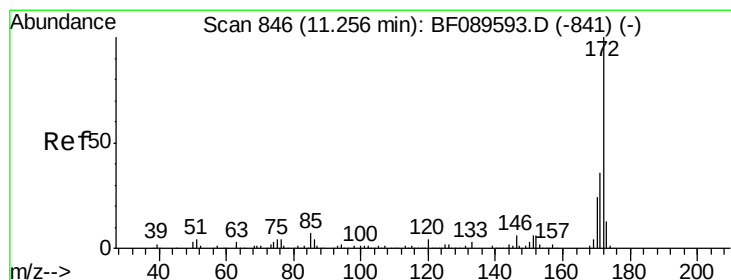
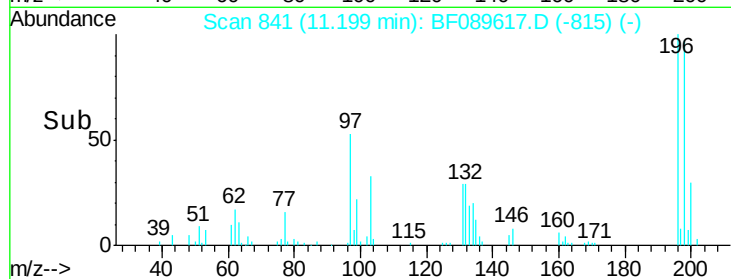
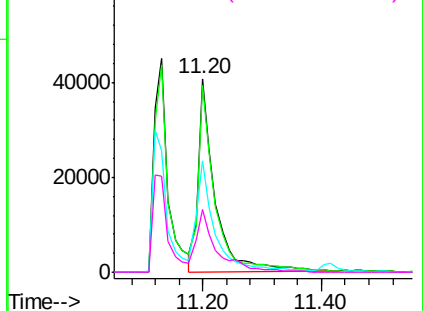
Tot Ion	196	Resp	80453
Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.8	116.6
97	57.1	45.8	68.6
132	32.6	25.1	37.7

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:58:59 PM



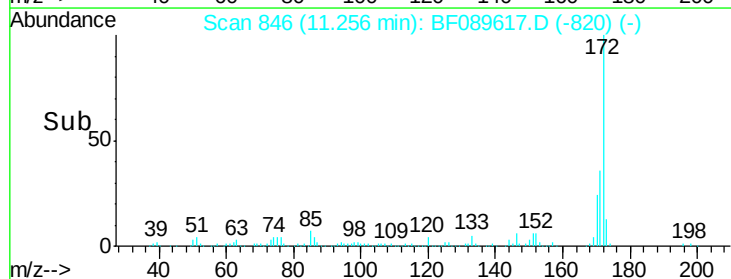
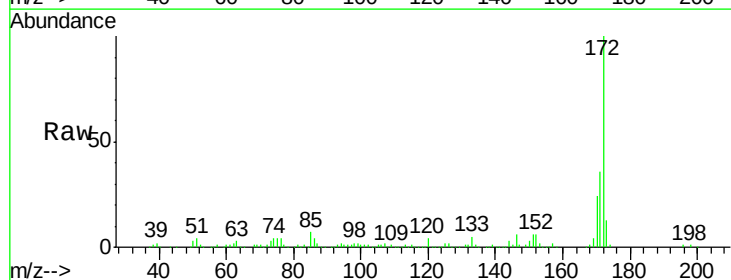
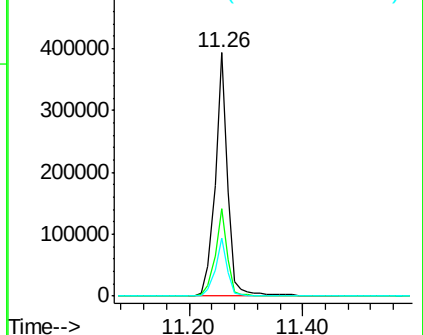
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

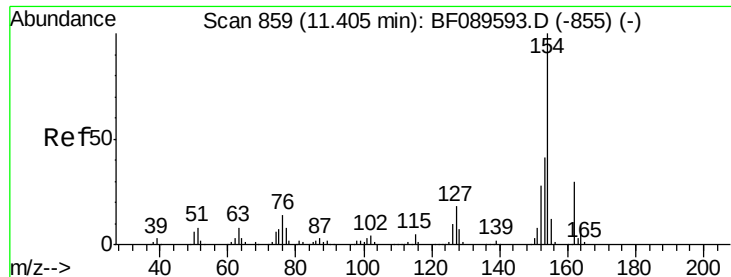


#44
 2-Fluorobiphenyl
 Concen: 84.84 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	172	Resp	589397
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.7	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: 39.09 ng

RT: 11.40 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

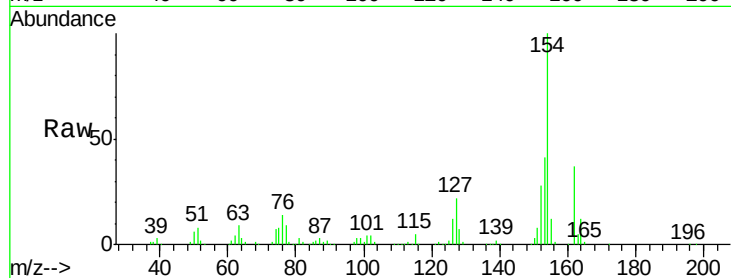
ClientSampleId :

GW-64-9.0-15.0MSD

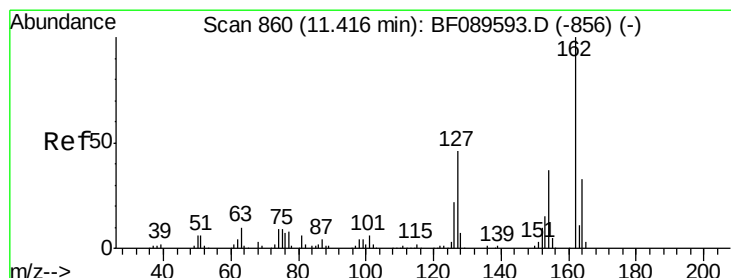
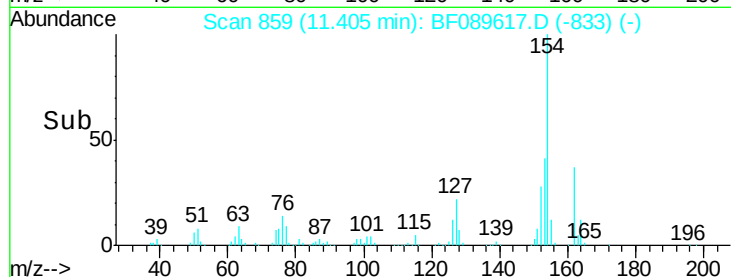
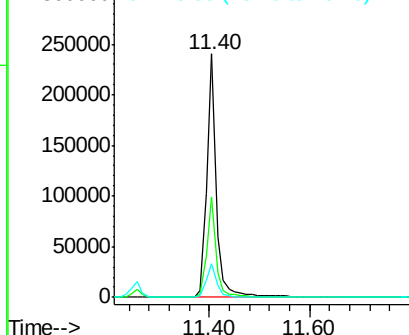
Tot Ion:	154	Resp:	318319
Ion Ratio	Lower	Upper	
154	100		
153	41.2	20.6	60.6
76	13.8	0.0	33.7

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 43.79 ng

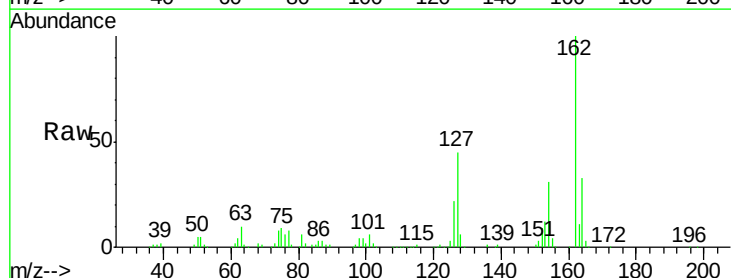
RT: 11.42 min Scan# 860

Delta R.T. 0.00 min

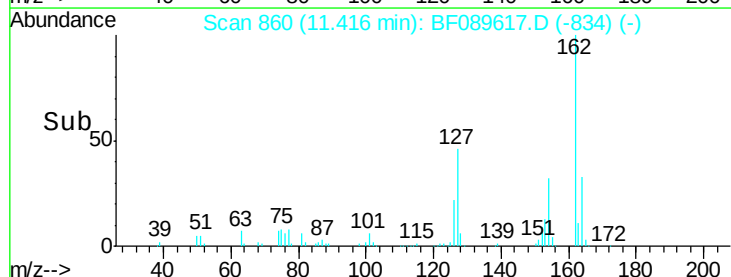
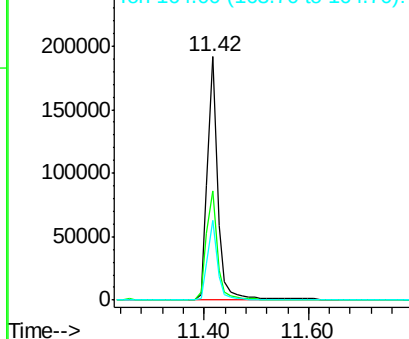
Lab File: BF089617.D

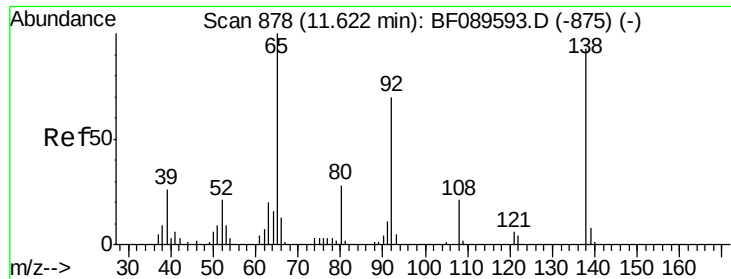
Acq: 5 Aug 2016 7:30

Tgt Ion:	162	Resp:	267348
Ion Ratio	Lower	Upper	
162	100		
127	44.7	36.6	54.8
164	33.0	26.8	40.2



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





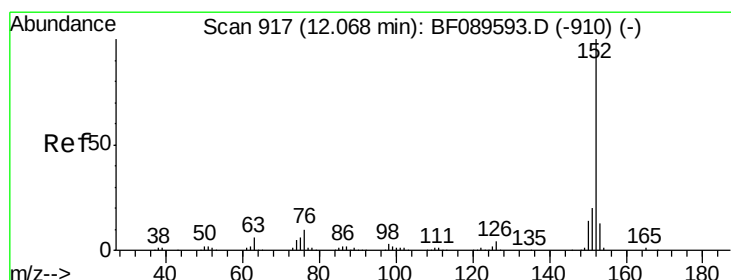
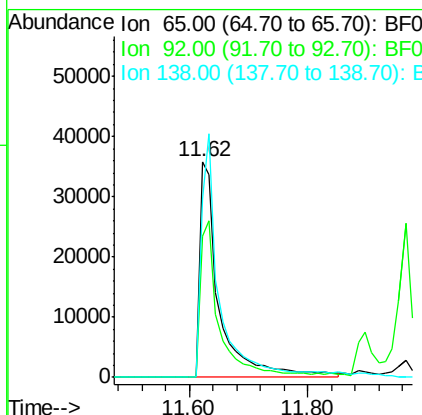
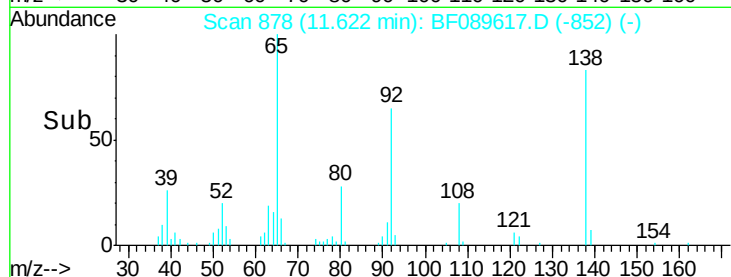
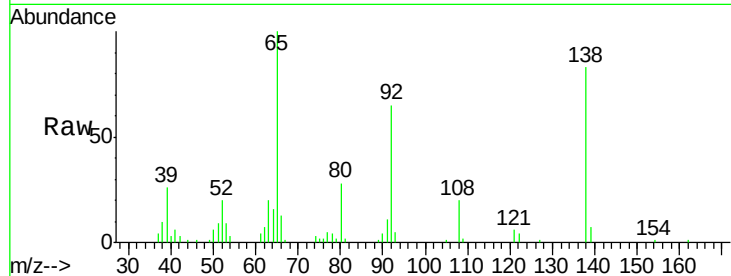
#47
 2-Nitroaniline
 Concen: 42.70 ng
 RT: 11.62 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion:	65	Resp:	84019
Ion Ratio	Lower	Upper	
65	100		
92	65.4	56.3	84.5
138	82.7	74.3	111.5

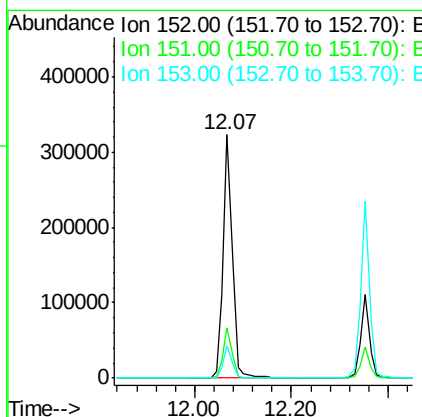
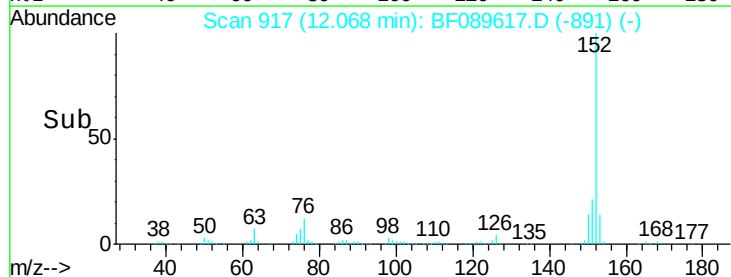
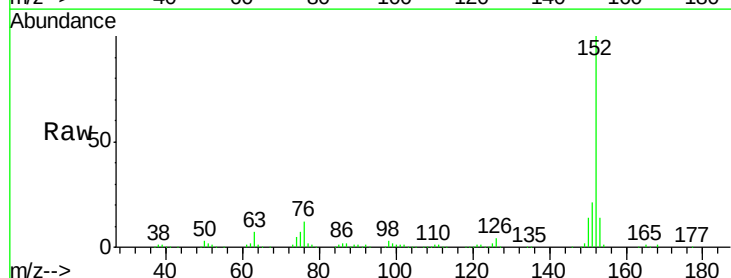
Manual Integrations
 APPROVED

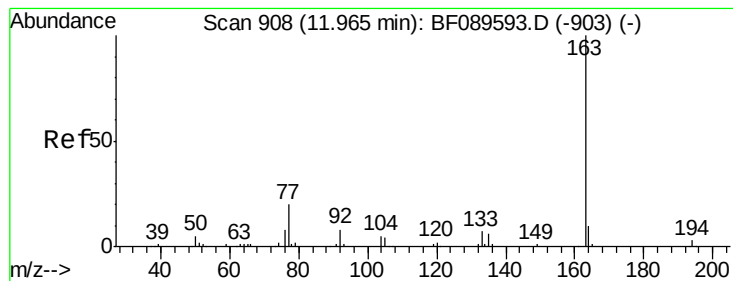
sohil
 8/5/2016 6:58:59 PM



#48
 Acenaphthylene
 Concen: 42.71 ng
 RT: 12.07 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion:	152	Resp:	429520
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.2	24.4
153	13.5	10.5	15.7





#49

Dimethylphthalate

Concen: 51.09 ng

RT: 11.96 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

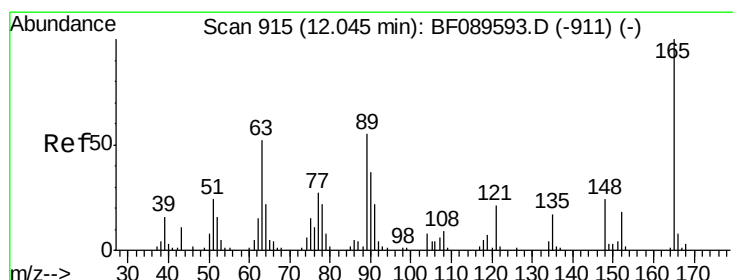
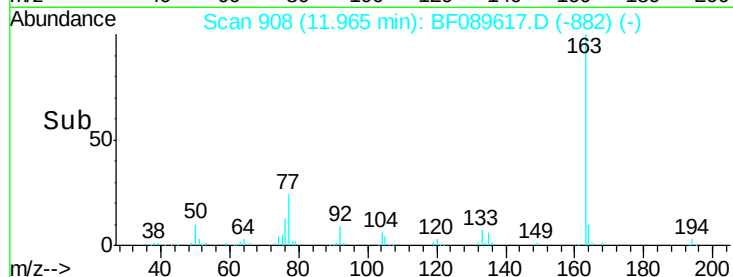
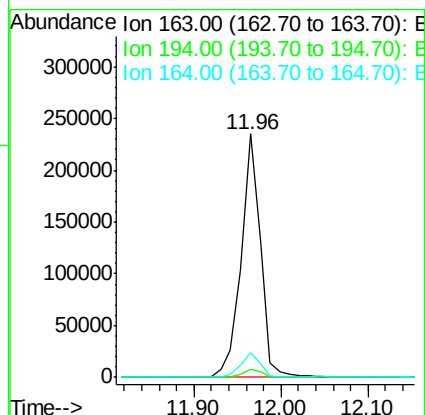
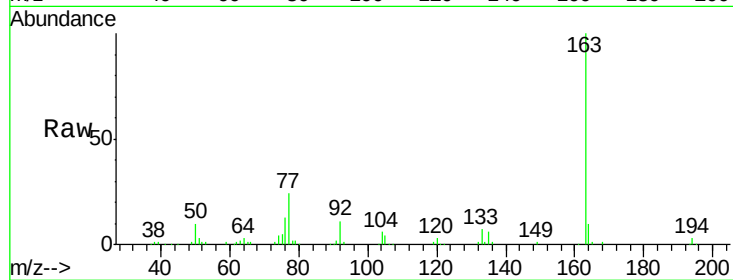
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	163	Resp:	361578
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	10.2	7.8	11.6

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#50

2,6-Dinitrotoluene

Concen: 50.28 ng

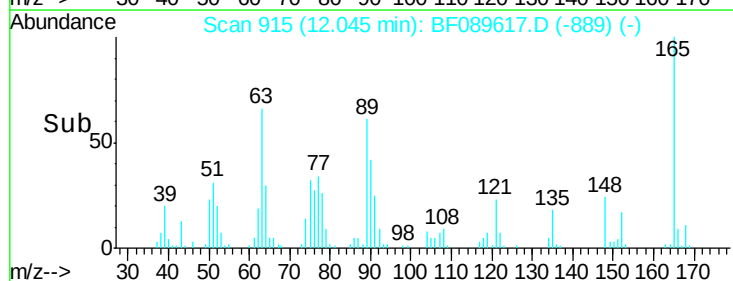
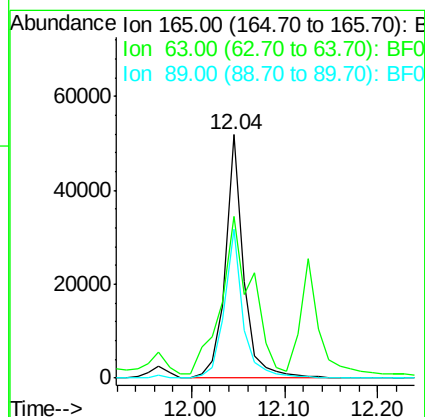
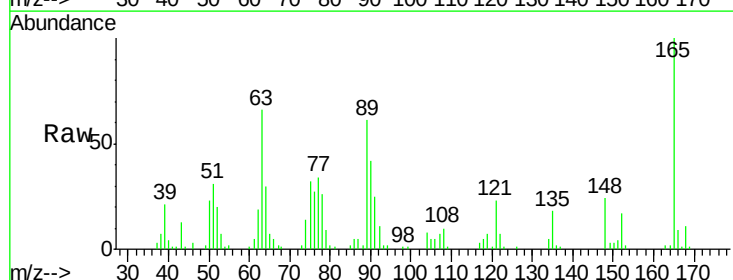
RT: 12.04 min Scan# 915

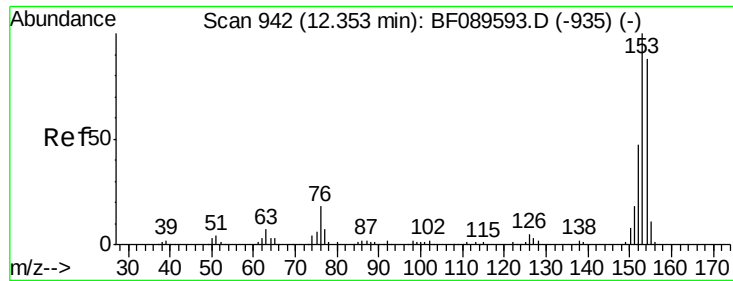
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	165	Resp:	70743
Ion Ratio	Lower	Upper	
165	100		
63	66.3	44.6	67.0
89	61.1	44.2	66.2





#51

Acenaphthene

Concen: 44.19 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

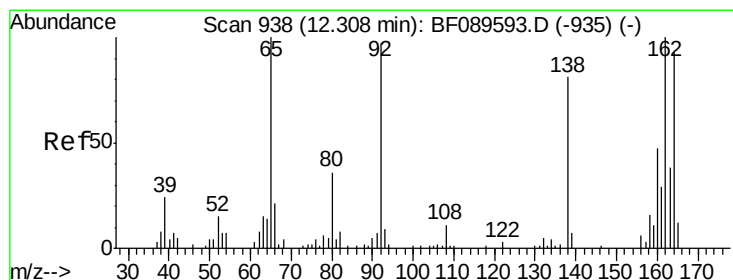
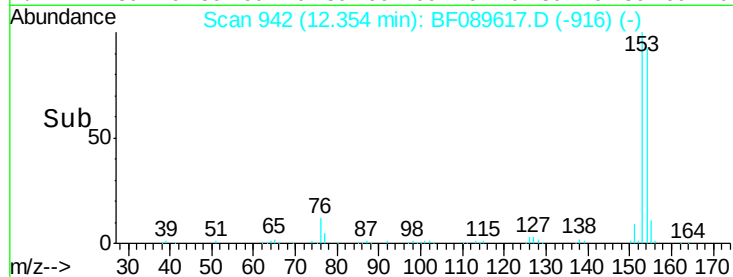
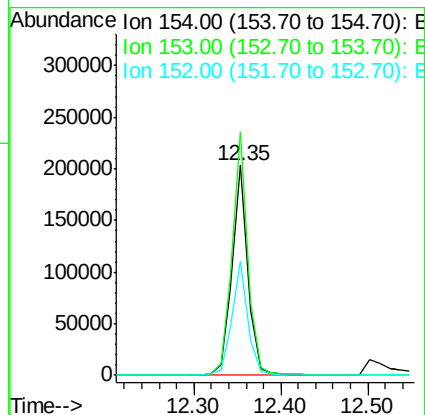
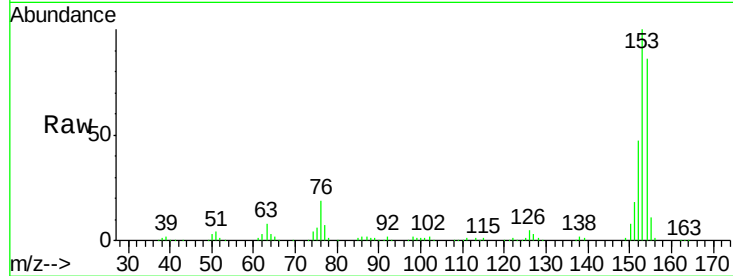
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	154	Resp:	256656
Ion	Ratio	Lower	Upper
154	100		
153	115.8	91.1	136.7
152	54.4	43.5	65.3

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#52

3-Nitroaniline

Concen: 21.87 ng

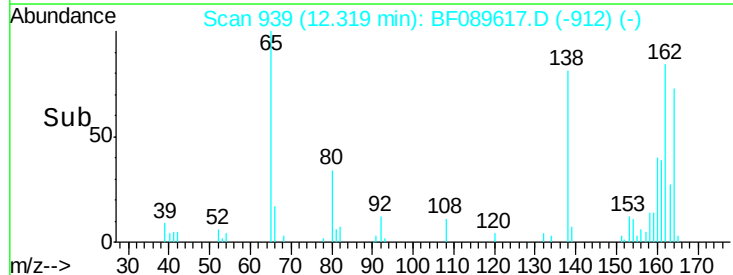
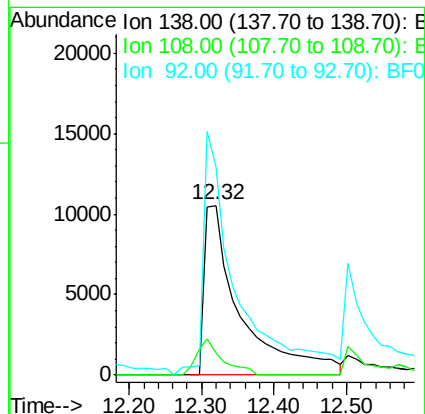
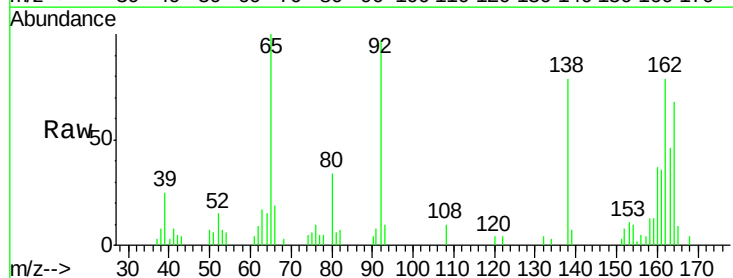
RT: 12.32 min Scan# 939

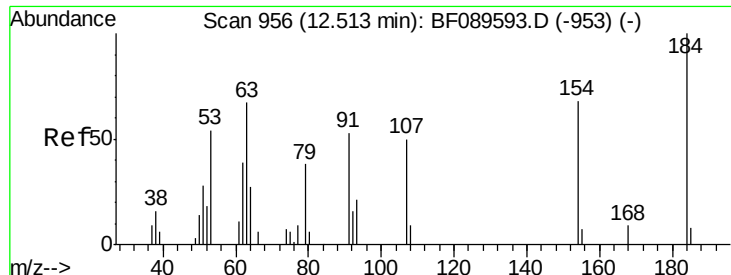
Delta R.T. 0.01 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	138	Resp:	36811
Ion	Ratio	Lower	Upper
138	100		
108	13.0	10.7	16.1
92	122.5	96.6	145.0





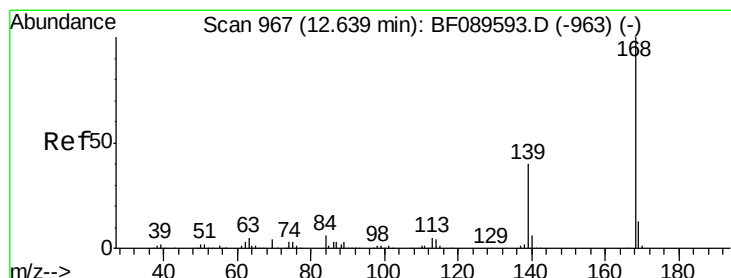
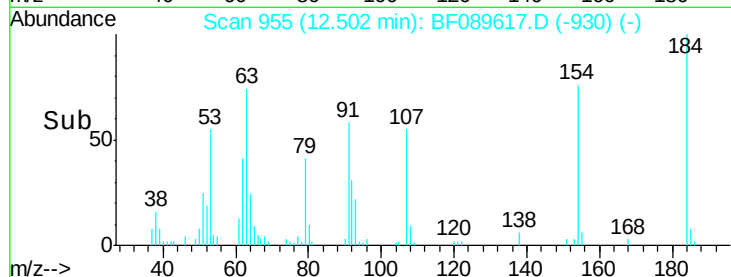
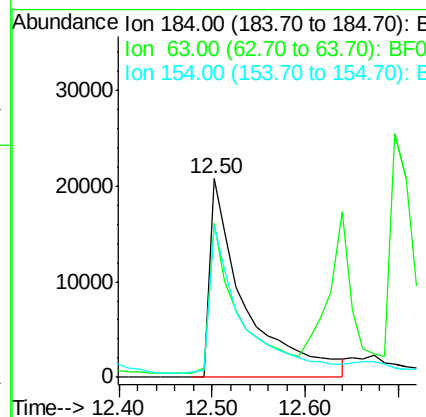
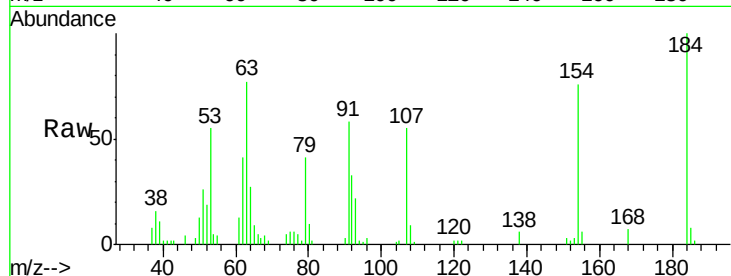
#53
 2,4-Dinitrophenol
 Concen: 85.88 ng
 RT: 12.50 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Resp	Lower	Upper
184	100	55075		
63	77.4	59.0	88.6	
154	76.5	60.0	90.0	

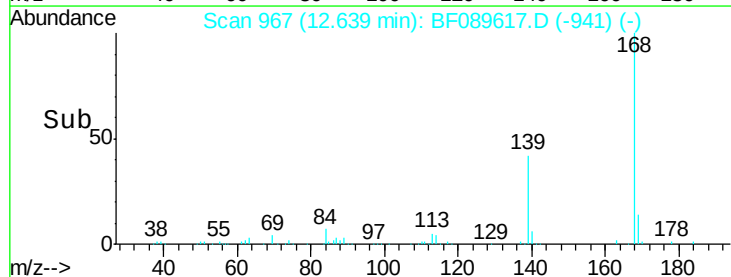
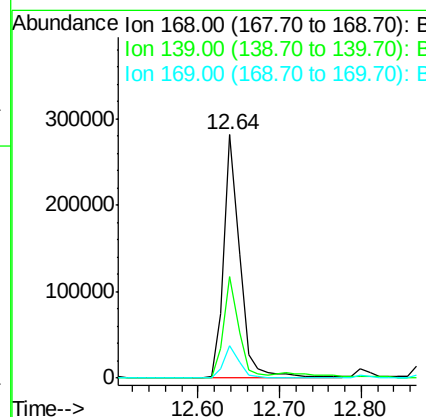
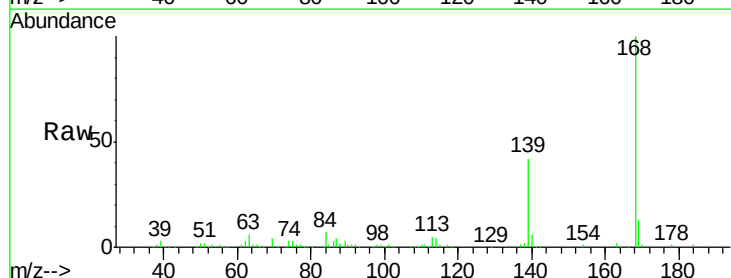
Manual Integrations
 APPROVED

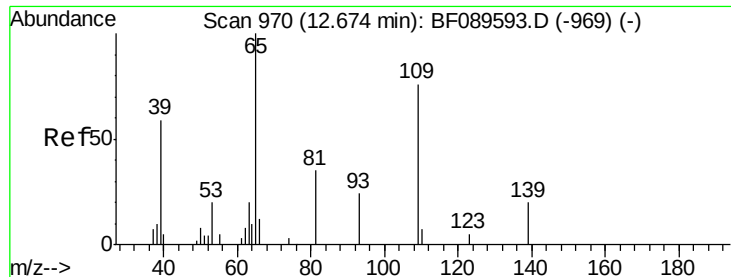
sohil
 8/5/2016 6:58:59 PM



#54
 Dibenzofuran
 Concen: 49.06 ng
 RT: 12.64 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	391785		
139	41.8	32.3	48.5	
169	13.5	10.6	15.8	





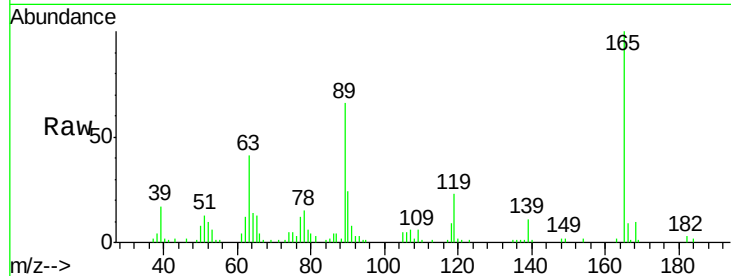
#55
4-Nitrophenol
Concen: 24.81 ng m
RT: 12.71 min Scan# 973
Delta R.T. 0.03 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

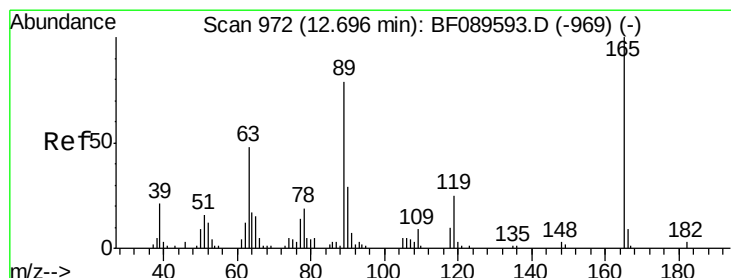
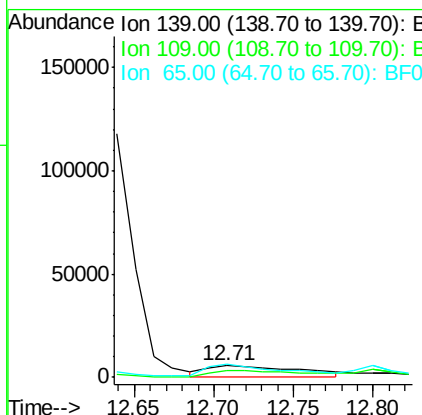
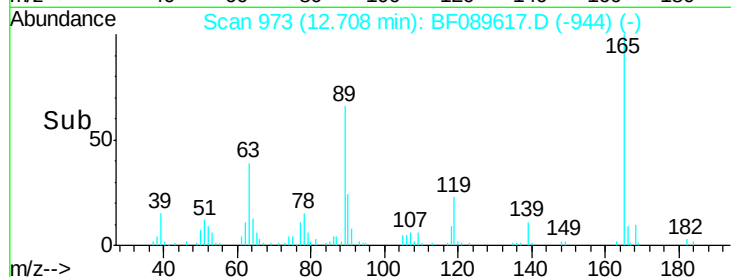
Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	57.1	28.9	68.9	
65	111.1	49.2	89.2#	

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM

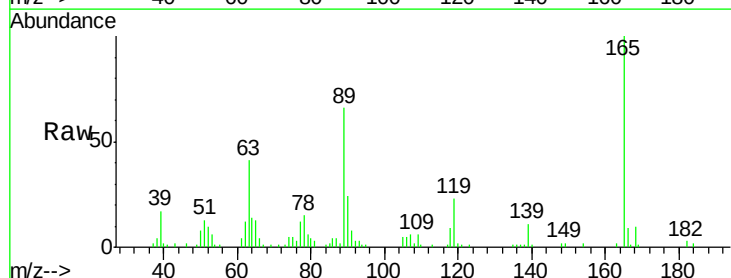


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

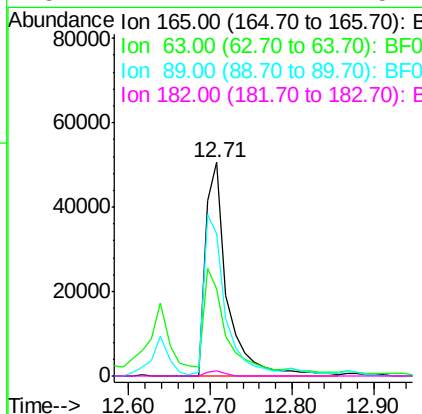
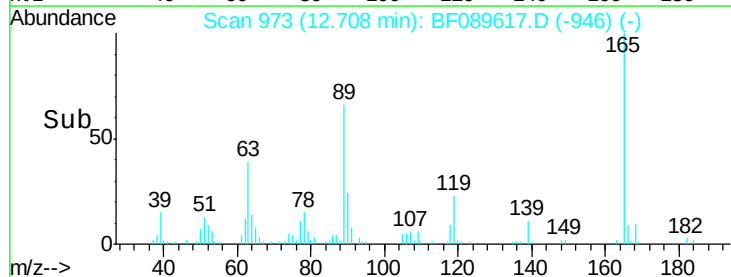


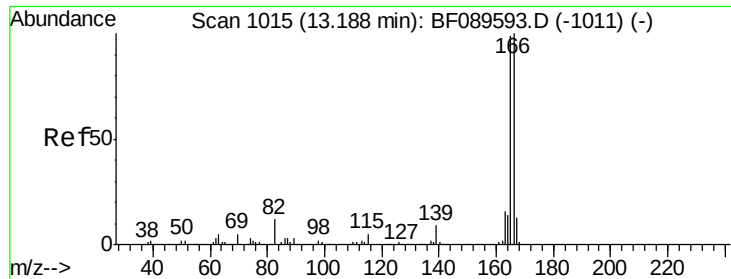
#56
2,4-Dinitrotoluene
Concen: 48.10 ng
RT: 12.71 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.0	42.2	63.4#	
89	66.2	64.4	96.6	
182	2.7	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: 45.35 ng

RT: 13.19 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

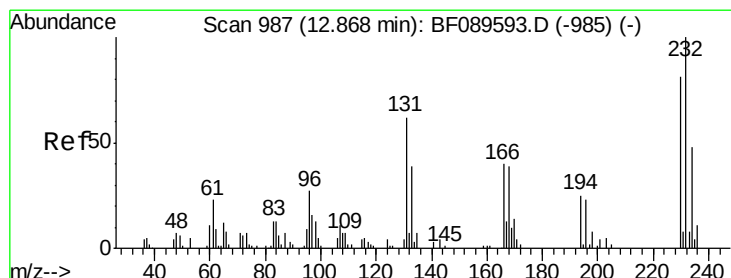
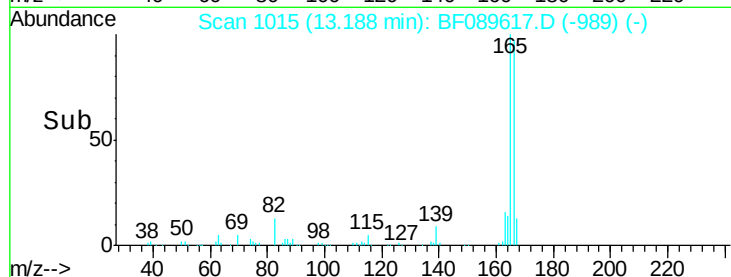
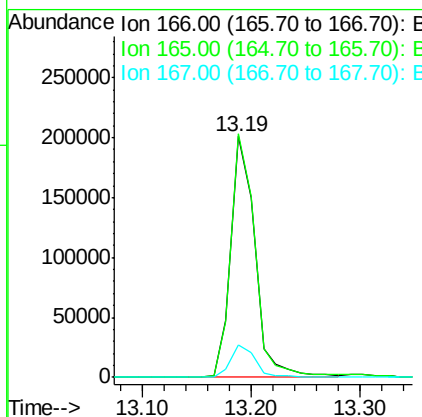
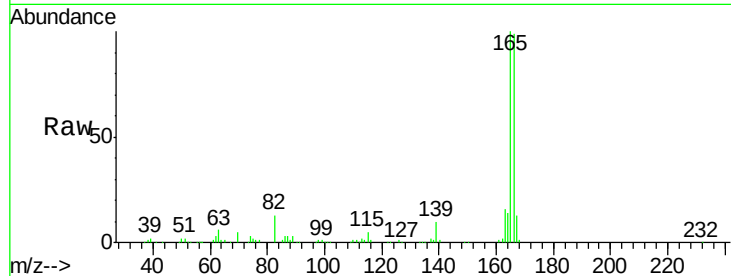
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	166	Resp:	309565
Ion Ratio	Lower	Upper	
166	100		
165	101.1	78.9	118.3
167	13.6	10.4	15.6

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.65 ng

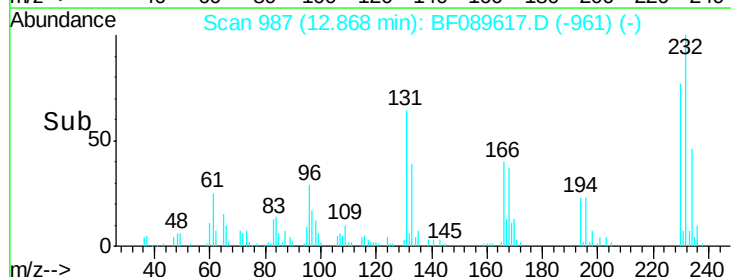
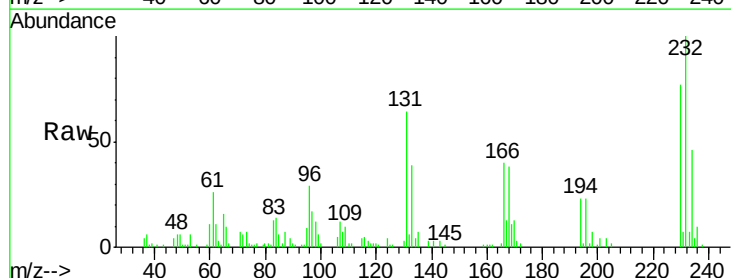
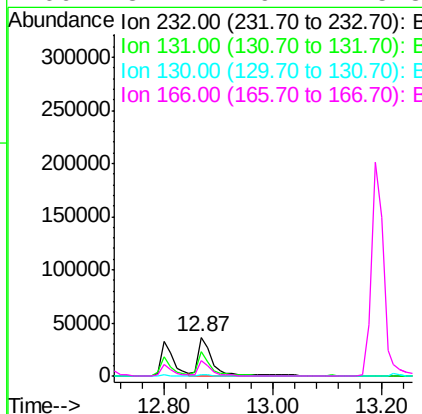
RT: 12.87 min Scan# 987

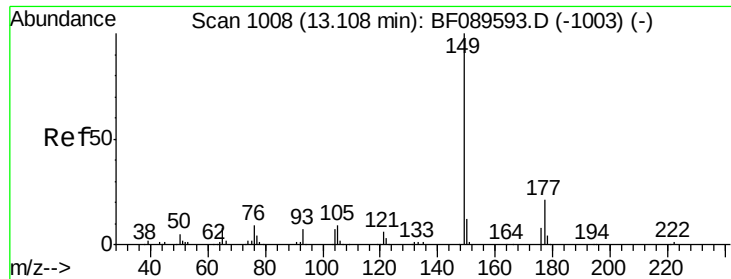
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	232	Resp:	64709
Ion Ratio	Lower	Upper	
232	100		
131	56.1	46.2	69.2
130	2.0	1.7	2.5
166	34.1	29.2	43.8





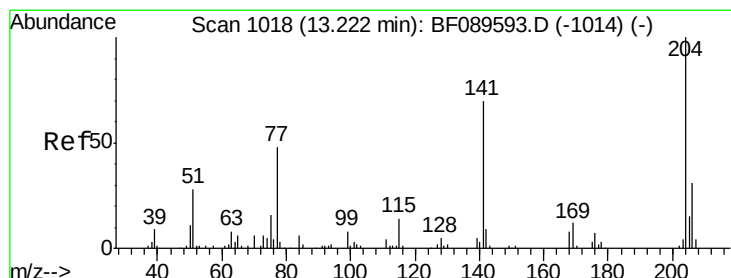
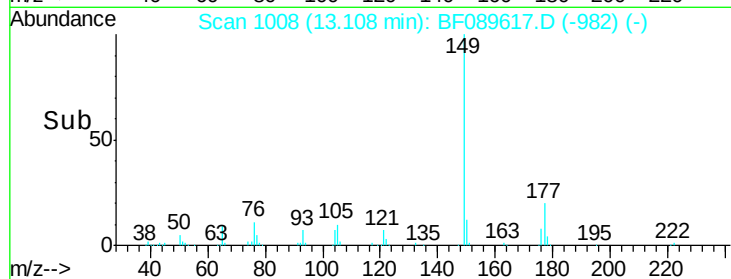
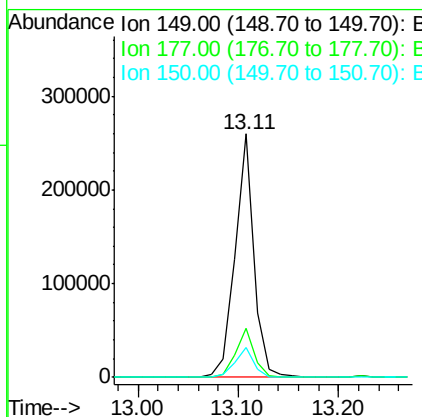
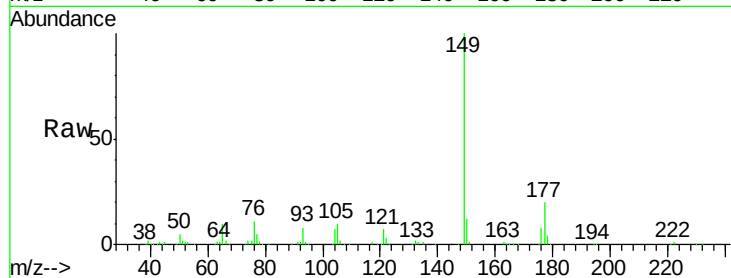
#59
Diethylphthalate
Concen: 46.36 ng
RT: 13.11 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	339320		
177	20.2	16.8	25.2	
150	12.3	9.6	14.4	

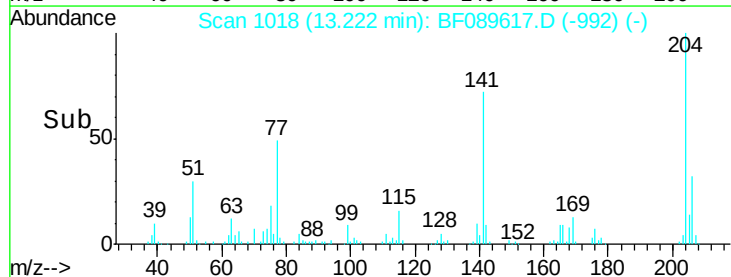
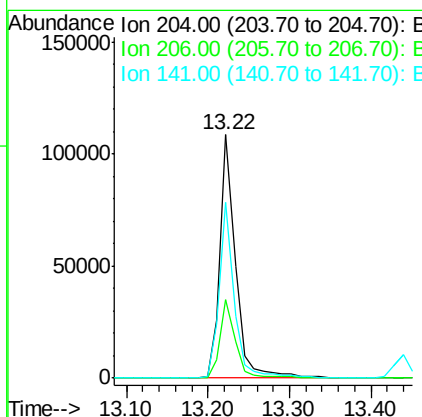
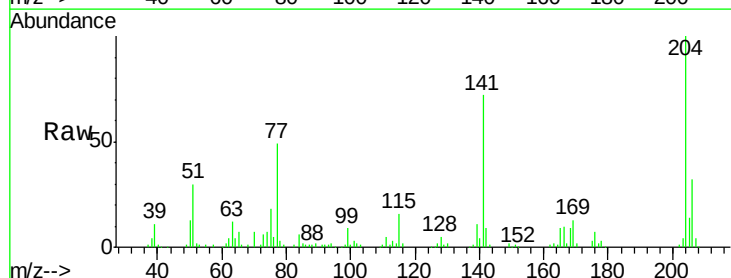
Manual Integrations
APPROVED

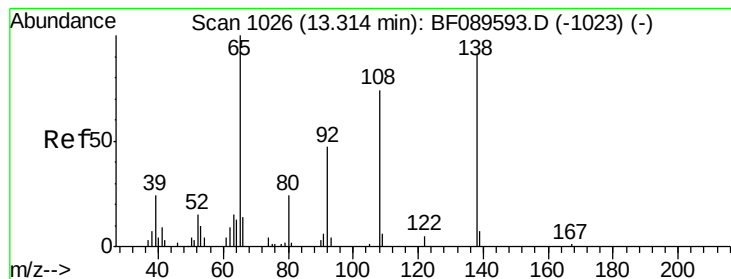
sohil
8/5/2016 6:58:59 PM



#60
4-Chlorophenyl-phenylether
Concen: 46.21 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	144643		
206	32.2	25.0	37.4	
141	72.2	56.2	84.4	





#61

4-Nitroaniline

Concen: 35.75 ng

RT: 13.31 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:138 Resp: 54087

Ion Ratio Lower Upper

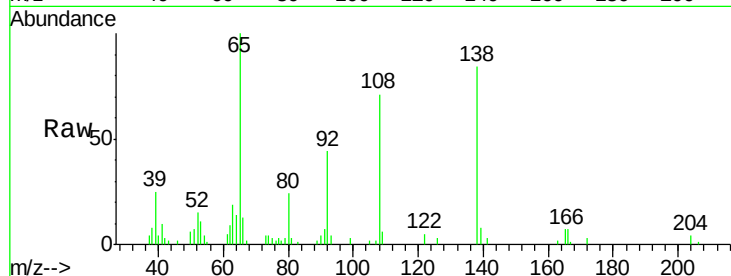
138 100

92 52.8 31.6 71.6

108 83.9 61.5 101.5

Manual Integrations
APPROVED

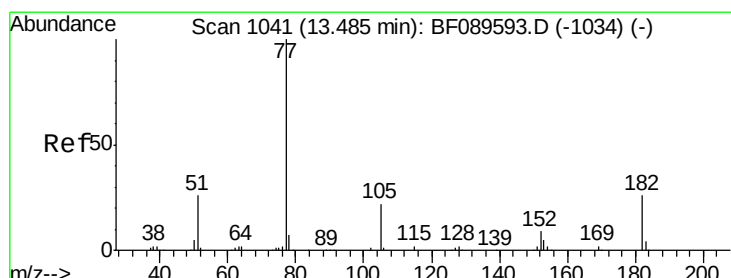
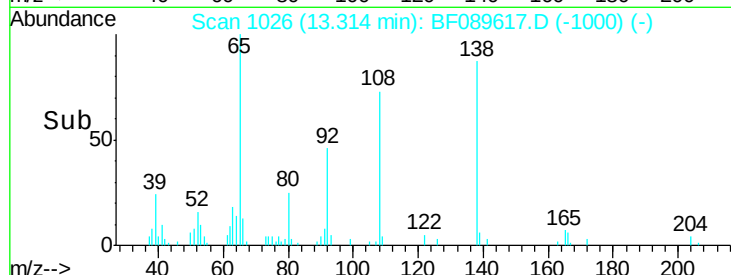
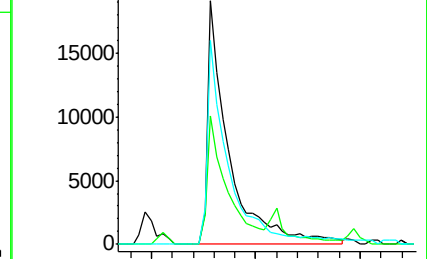
sohil
8/5/2016 6:58:59 PM



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 52.24 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion: 77 Resp: 369752

Ion Ratio Lower Upper

77 100

182 24.0 5.8 45.8

105 22.2 2.9 42.9

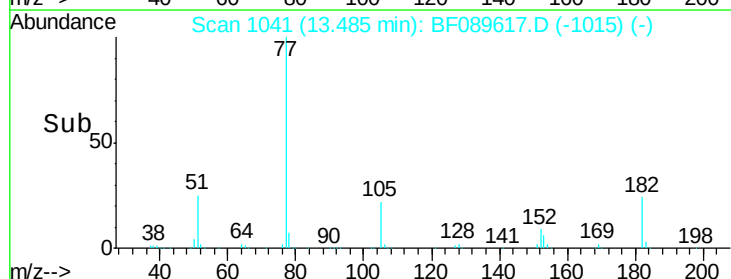
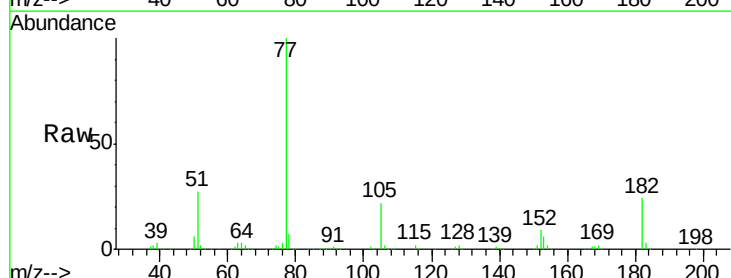
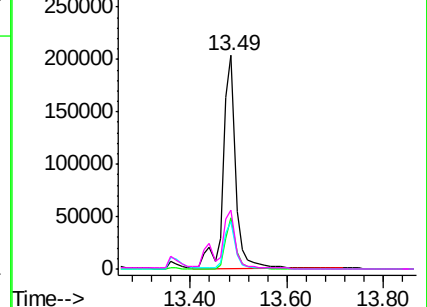
51 27.3 7.2 47.2

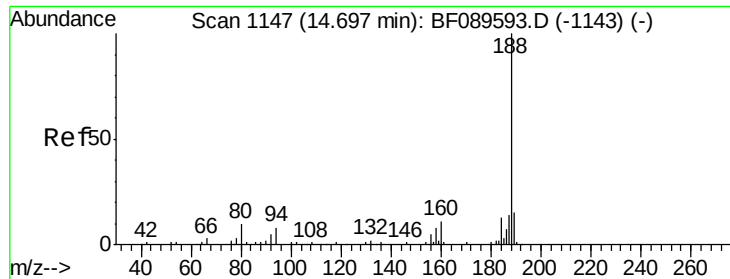
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

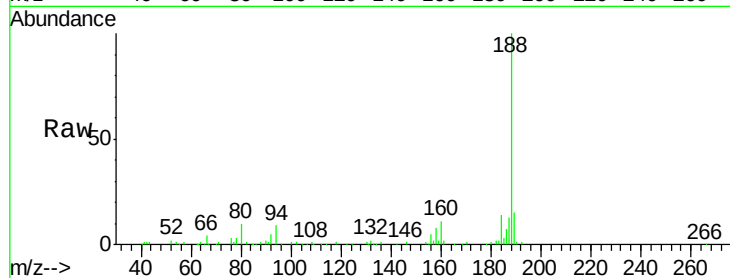
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	188	Resp:	163561
Ion Ratio	Lower	Upper	
188	100		
94	8.8	6.5	9.7
80	10.0	8.0	12.0

Manual Integrations
APPROVED

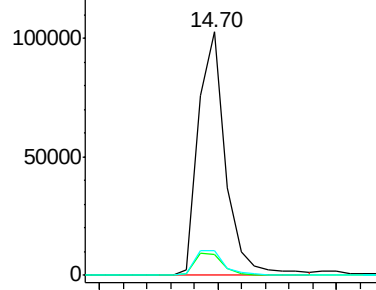
sohil
8/5/2016 6:58:59 PM



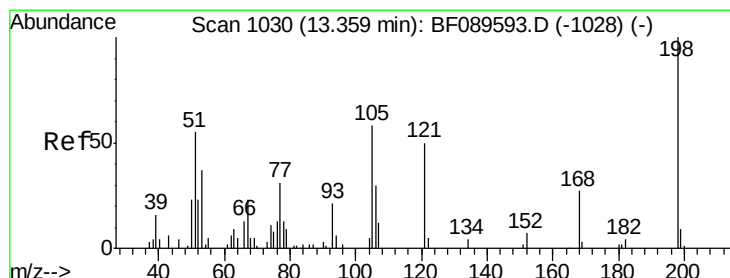
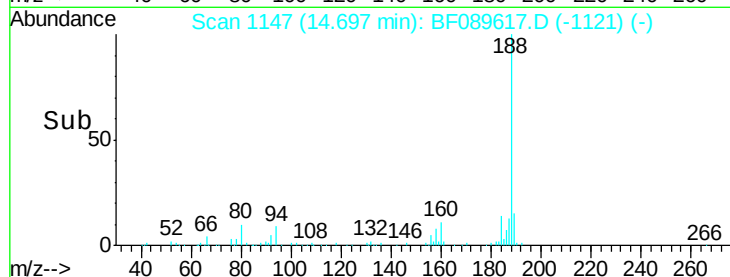
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 44.92 ng

RT: 13.37 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF089617.D

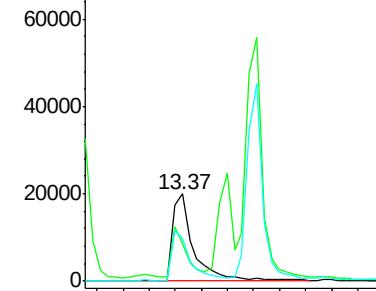
Acq: 5 Aug 2016 7:30

Tgt Ion:	198	Resp:	44573
Ion Ratio	Lower	Upper	
198	100		
51	43.4	38.9	78.9
105	48.7	38.1	78.1

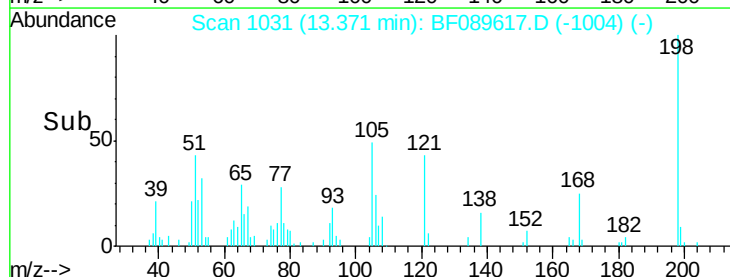
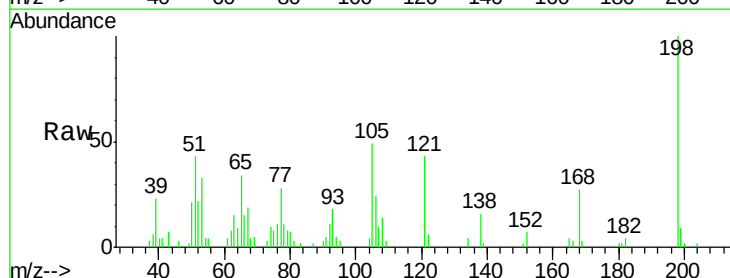
Abundance Ion 198.00 (197.70 to 198.70): E

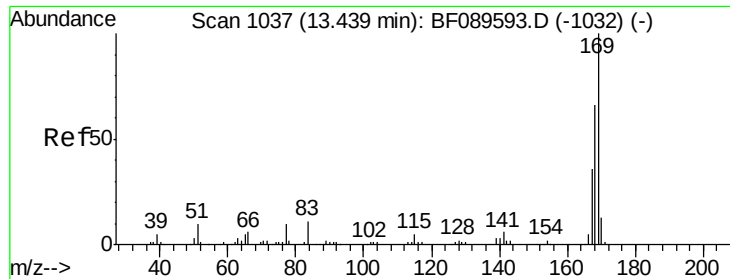
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





#65

n-Nitrosodiphenylamine

Concen: 46.44 ng

RT: 13.44 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

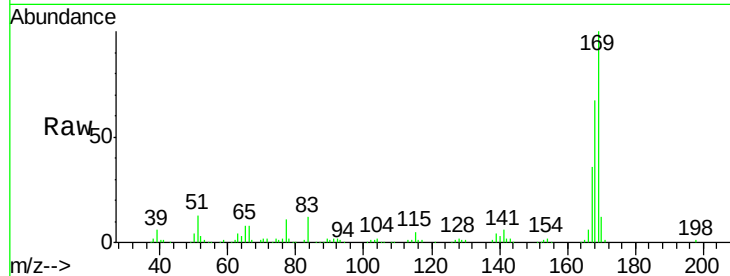
ClientSampleId :

GW-64-9.0-15.0MSD

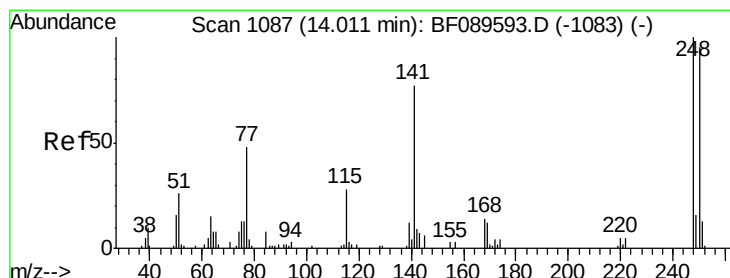
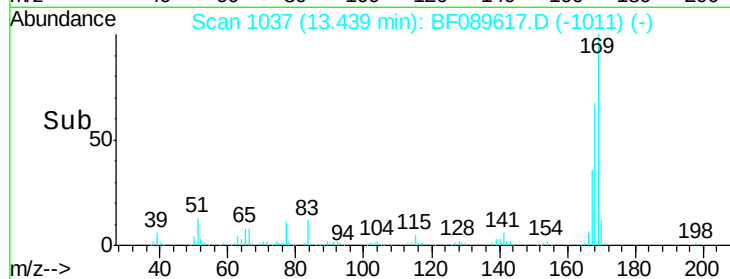
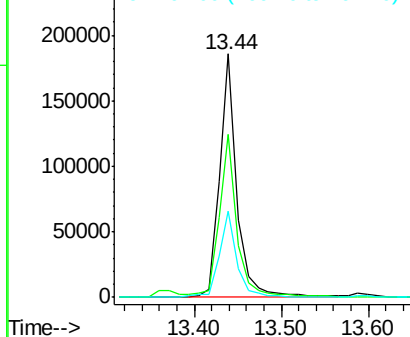
Tot Ion:	169	Resp:	256539
Ion Ratio		Lower	Upper
169	100		
168	67.1	54.2	81.2
167	35.7	28.9	43.3

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 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: 51.50 ng

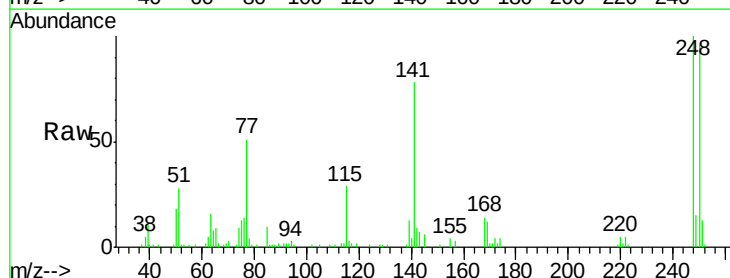
RT: 14.01 min Scan# 1087

Delta R.T. 0.00 min

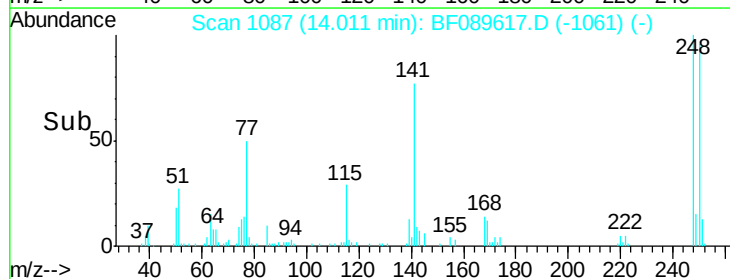
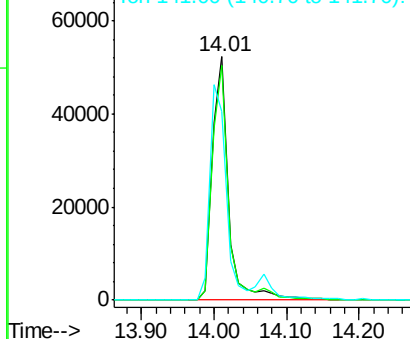
Lab File: BF089617.D

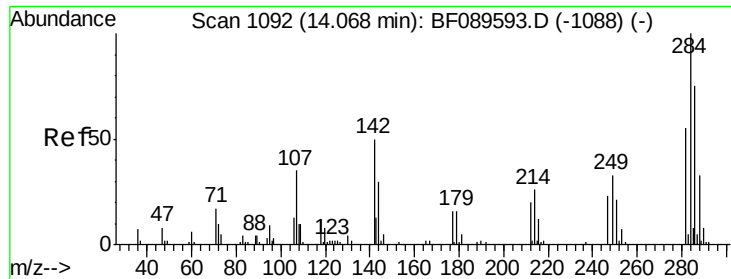
Acq: 5 Aug 2016 7:30

Tgt Ion:	248	Resp:	81473
Ion Ratio		Lower	Upper
248	100		
250	96.4	76.2	114.2
141	77.6	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: 46.01 ng

RT: 14.07 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

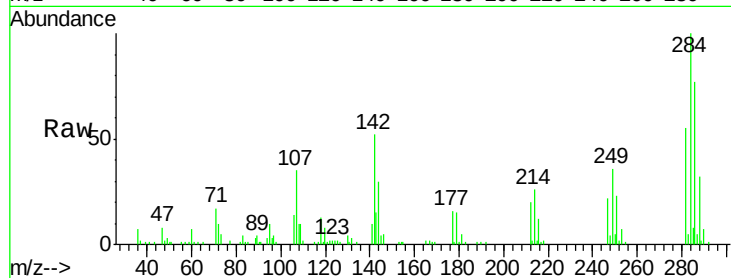
ClientSampleId :

GW-64-9.0-15.0MSD

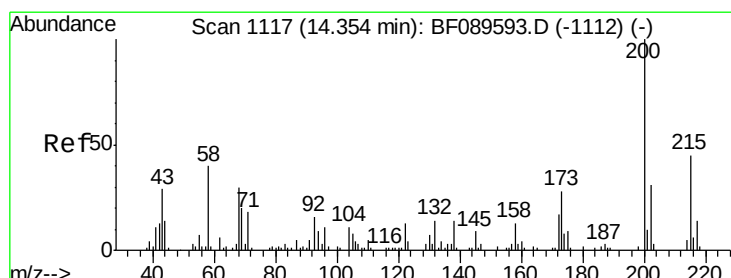
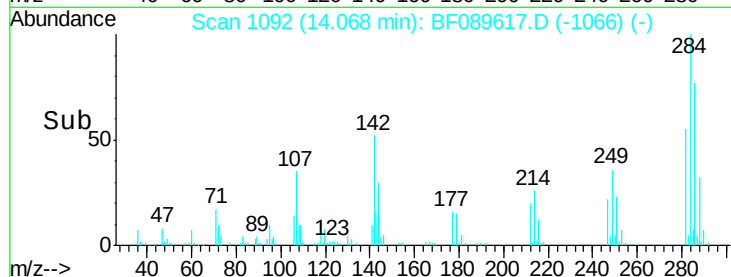
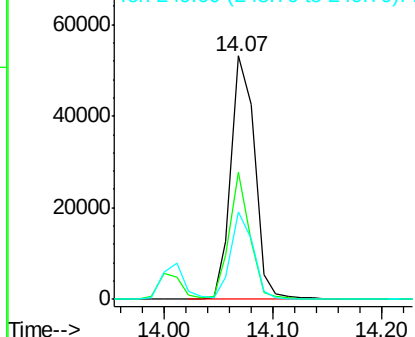
Tot Ion:	284	Resp:	80081
Ion Ratio	Lower	Upper	
284	100		
142	52.4	41.4	62.0
249	35.9	28.6	43.0

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 48.63 ng

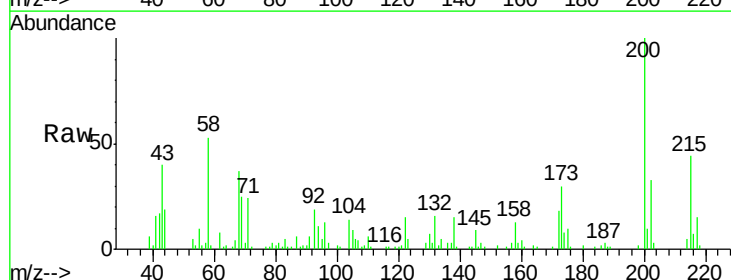
RT: 14.35 min Scan# 1117

Delta R.T. 0.00 min

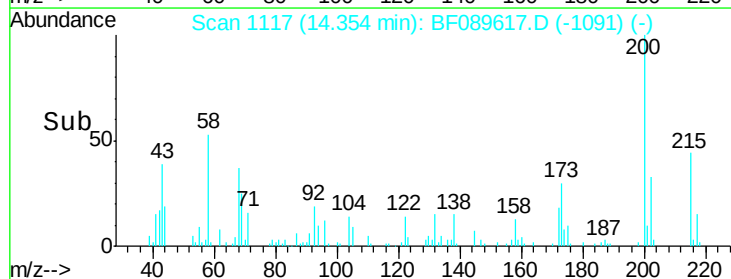
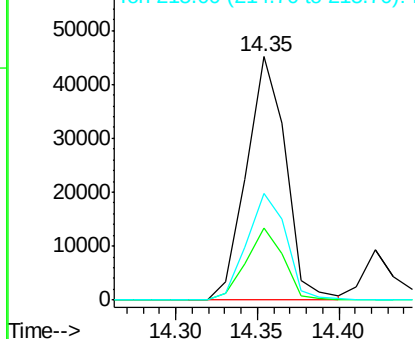
Lab File: BF089617.D

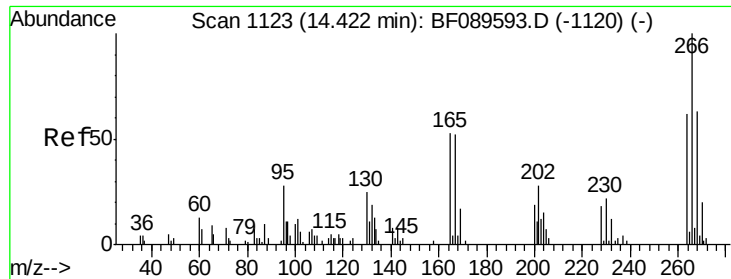
Acq: 5 Aug 2016 7:30

Tgt Ion:	200	Resp:	75013
Ion Ratio	Lower	Upper	
200	100		
173	29.5	8.2	48.2
215	43.9	24.9	64.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





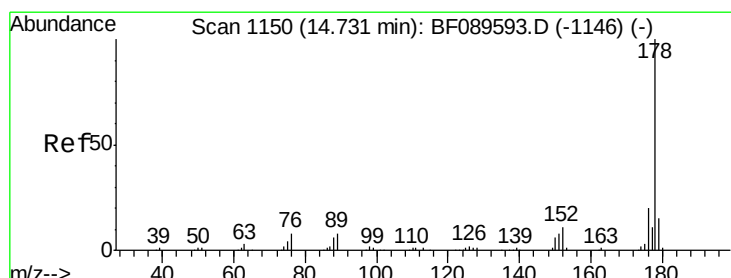
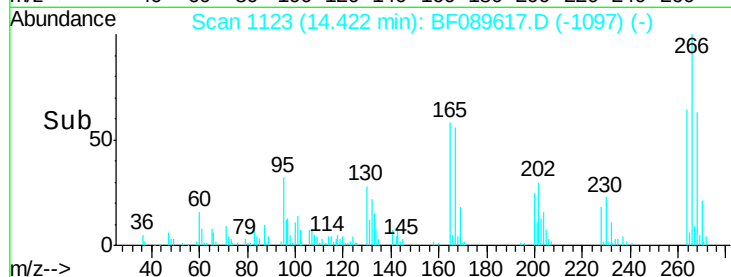
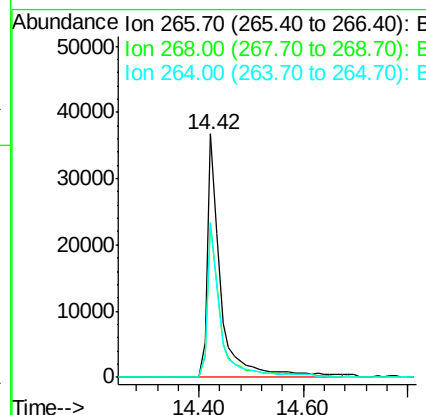
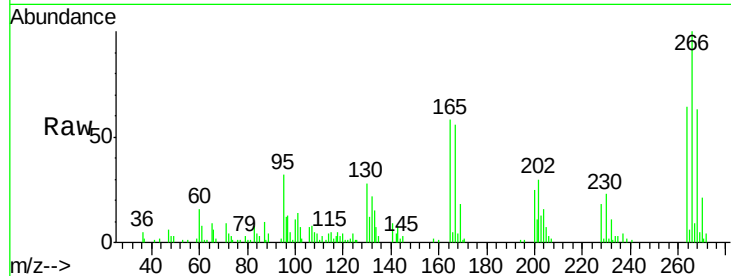
#69
 Pentachlorophenol
 Concen: 87.91 ng
 RT: 14.42 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.6	75.8
264	63.6	49.5	74.3

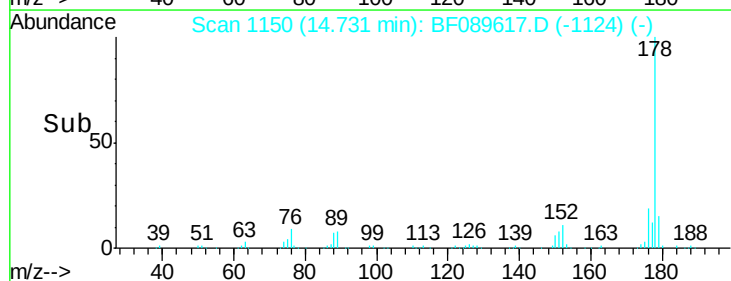
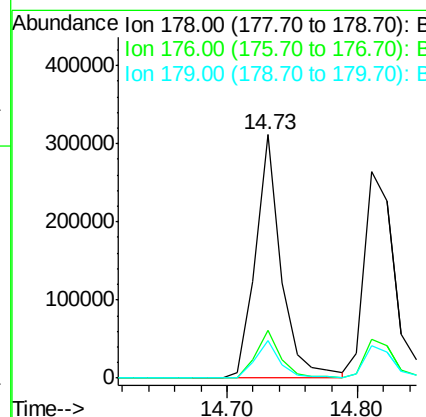
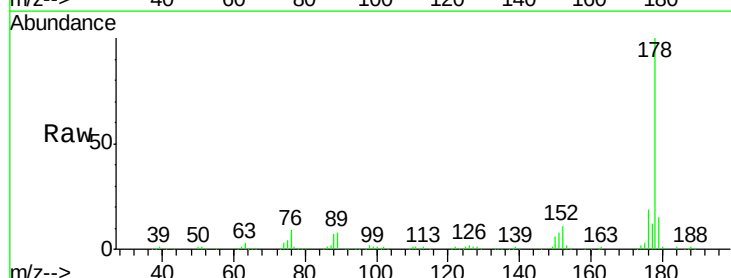
Manual Integrations
 APPROVED

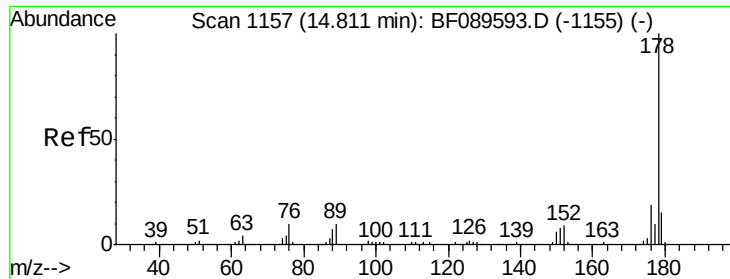
sohil
 8/5/2016 6:58:59 PM



#70
 Phenanthrene
 Concen: 48.16 ng
 RT: 14.73 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.2	12.2	18.2





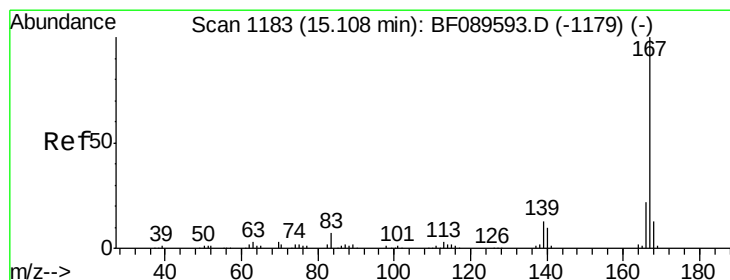
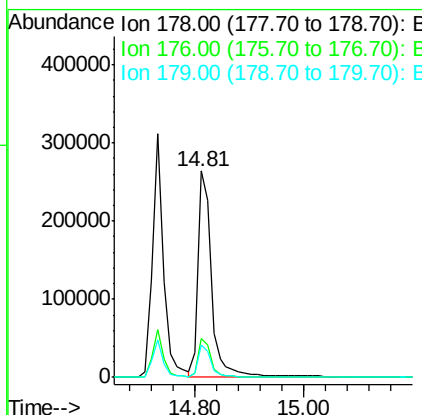
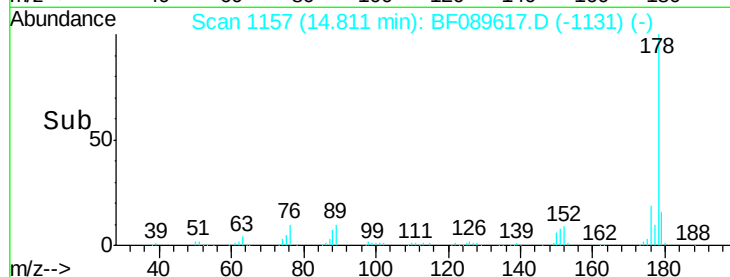
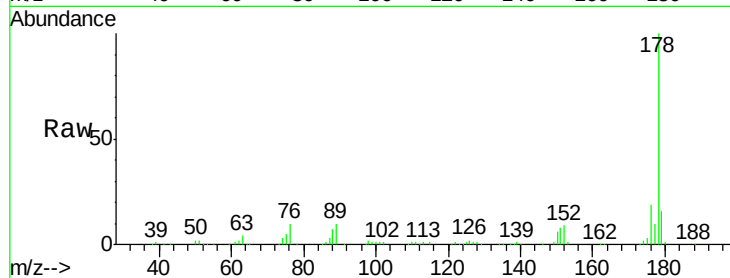
#71
 Anthracene
 Concen: 46.82 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.4	18.6

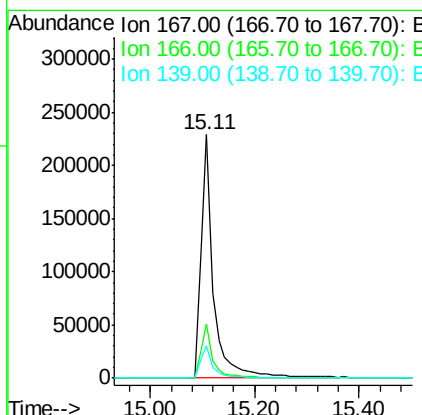
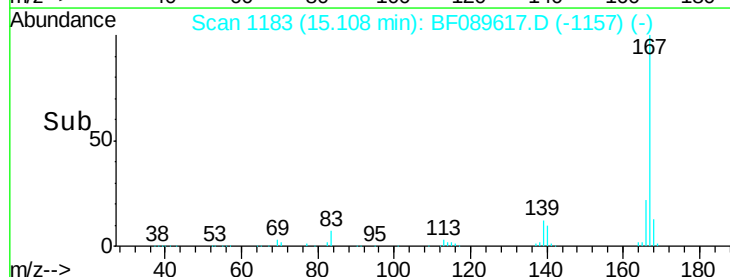
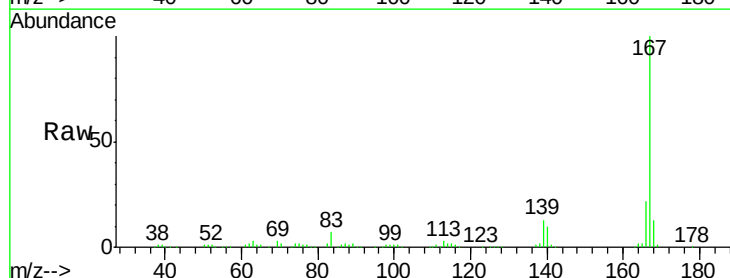
Manual Integrations
 APPROVED

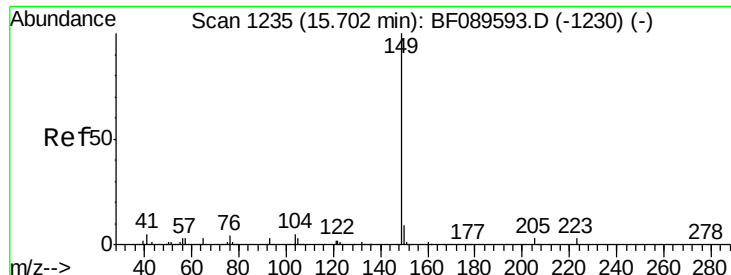
sohil
 8/5/2016 6:58:59 PM



#72
 Carbazole
 Concen: 48.22 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.4	10.4	15.6





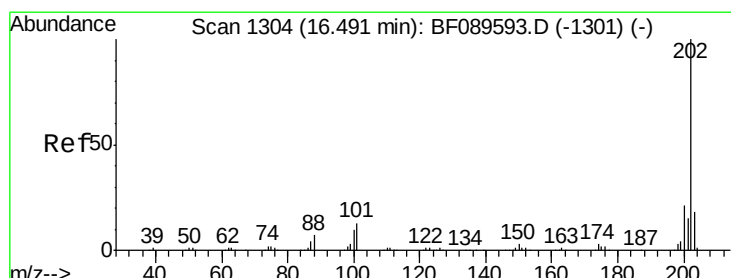
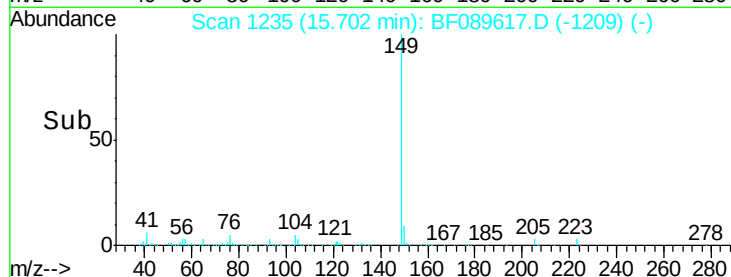
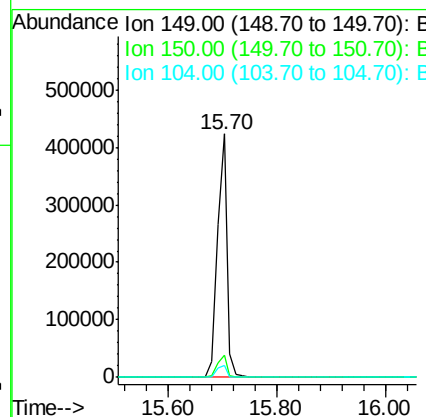
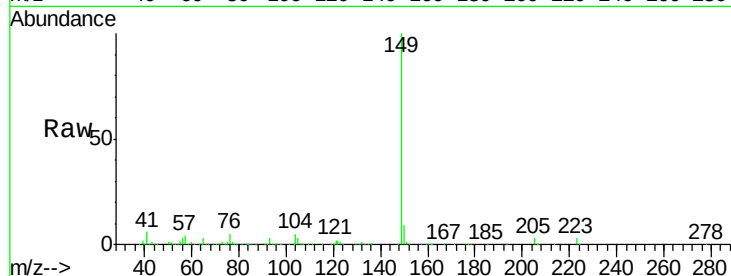
#73
Di-n-butylphthalate
Concen: 49.34 ng
RT: 15.70 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	8.9	7.2	10.8	
104	4.9	3.8	5.8	

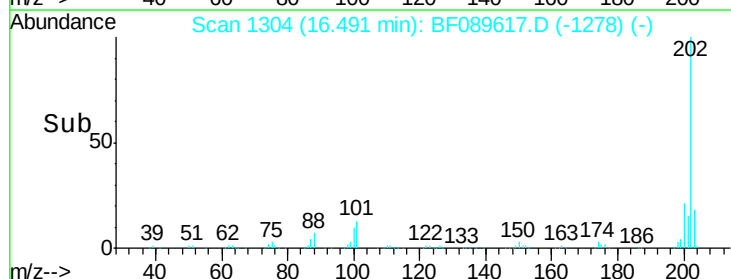
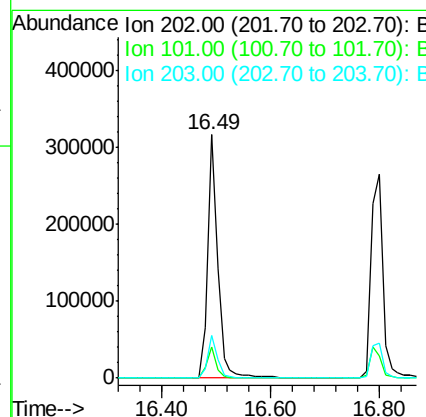
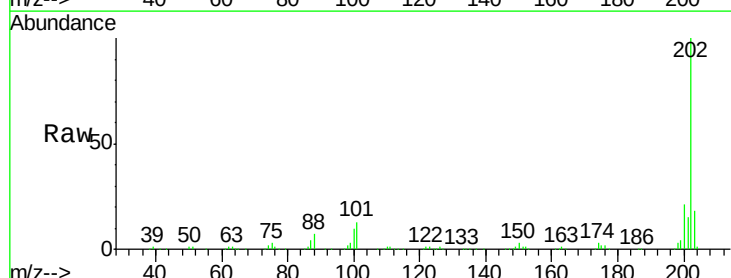
Manual Integrations
APPROVED

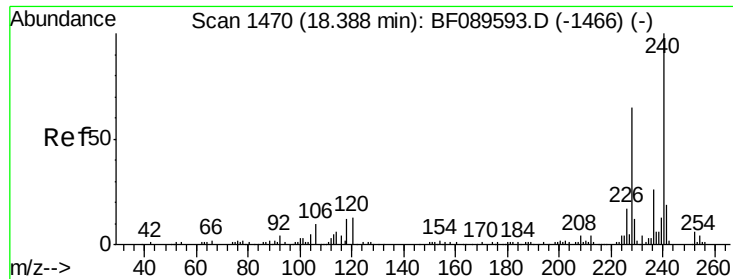
sohil
8/5/2016 6:58:59 PM



#74
Fluoranthene
Concen: 44.34 ng
RT: 16.49 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.9	0.0	32.7	
203	17.5	0.0	37.8	





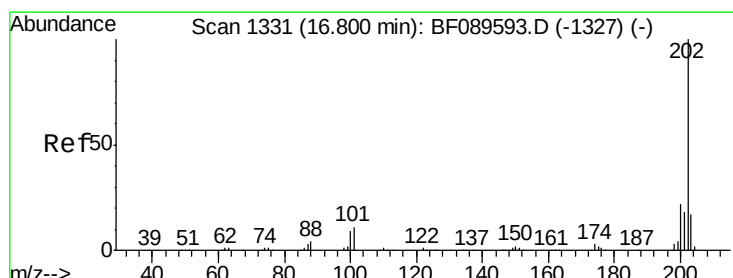
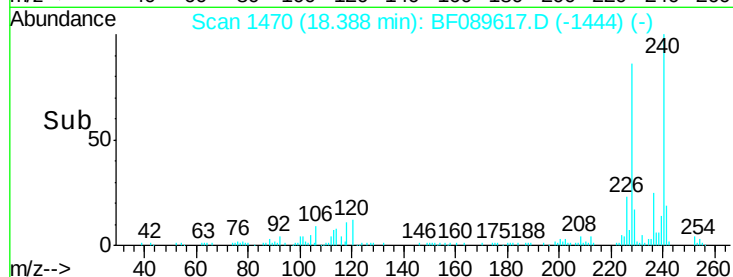
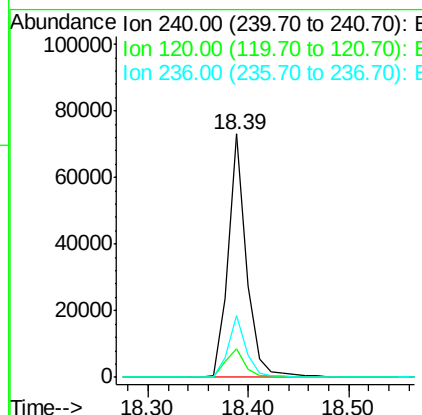
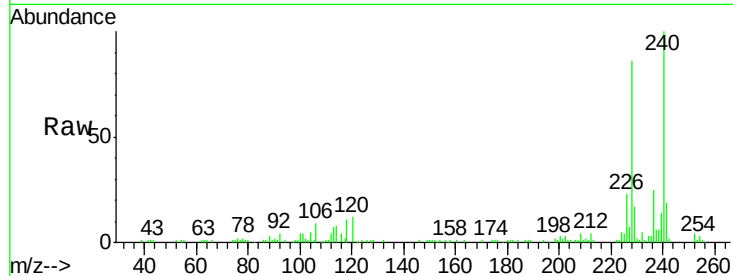
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.39 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.6	15.8
236	25.2	20.6	30.8

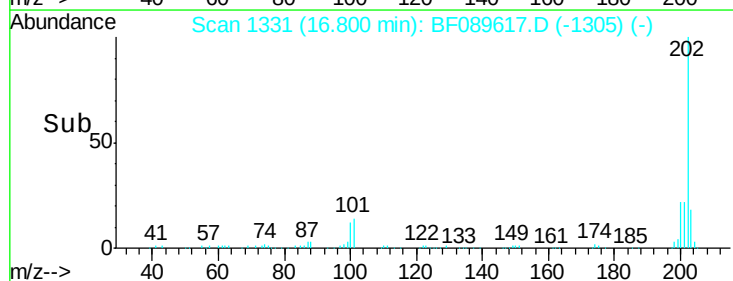
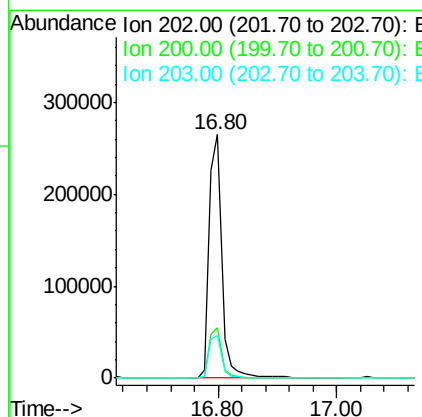
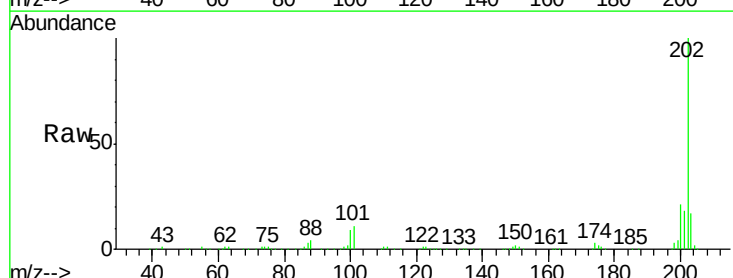
Manual Integrations
APPROVED

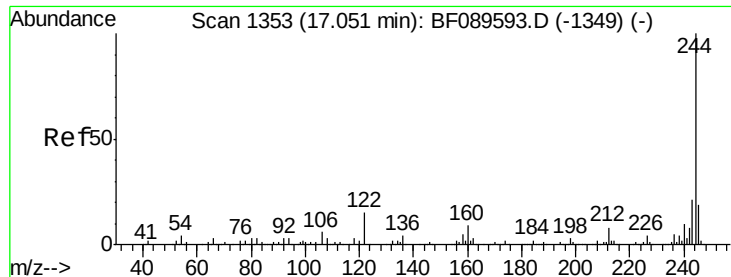
sohil
8/5/2016 6:58:59 PM



#77
Pyrene
Concen: 48.08 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.4	13.6	20.4





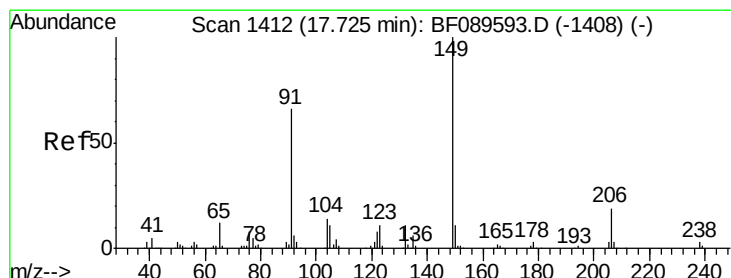
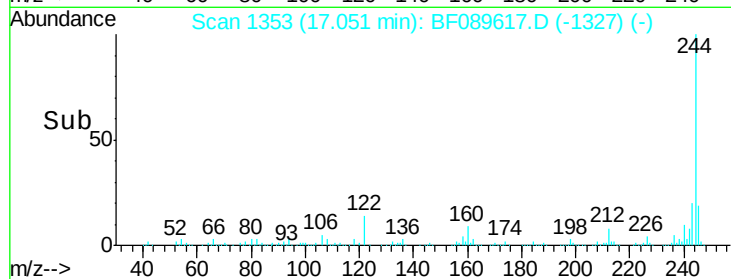
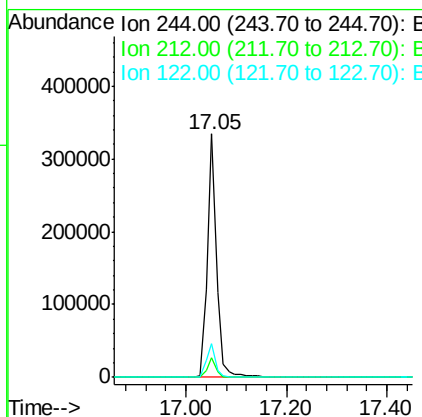
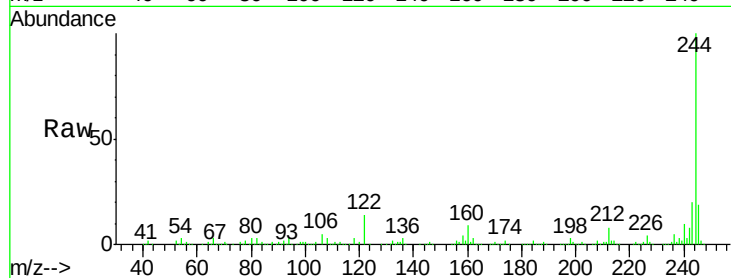
#78
 Terphenyl-d14
 Concen: 91.40 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	13.7	12.2	18.2

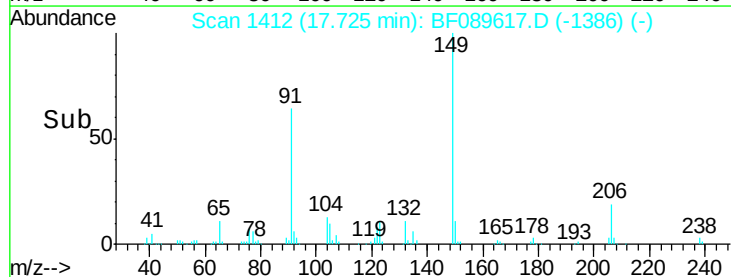
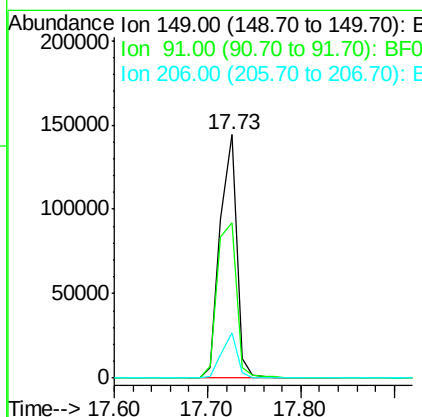
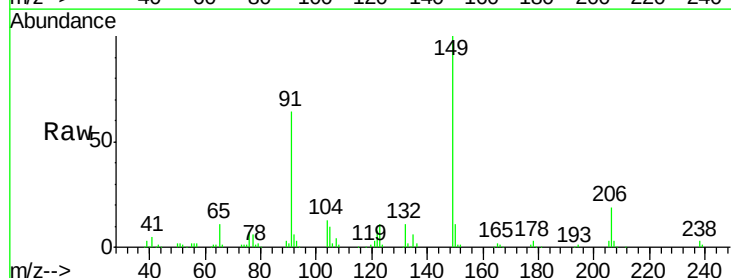
Manual Integrations
 APPROVED

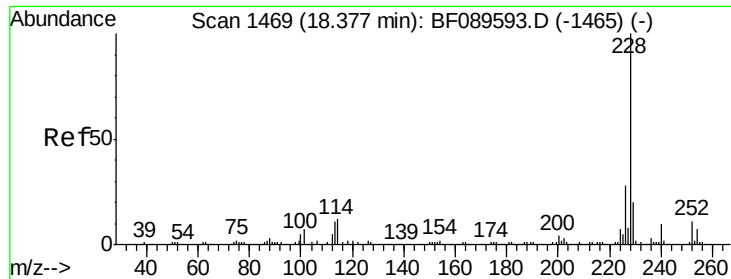
sohil
 8/5/2016 6:58:59 PM



#79
 Butylbenzylphthalate
 Concen: 51.49 ng
 RT: 17.73 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF089617.D
 Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.9	52.6	78.8
206	18.7	15.4	23.0





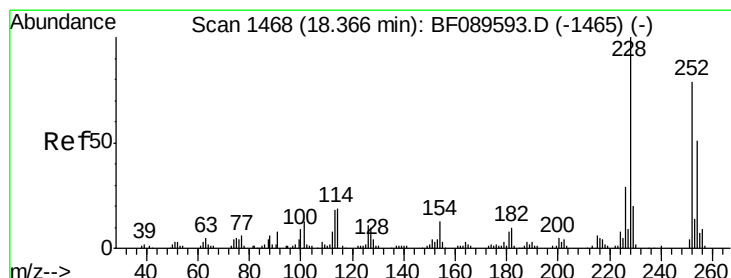
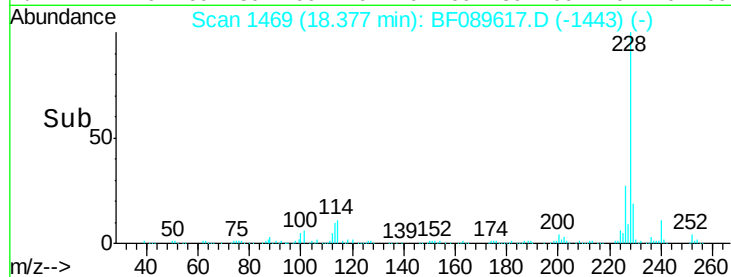
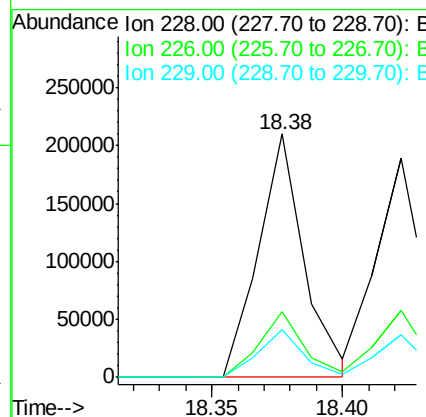
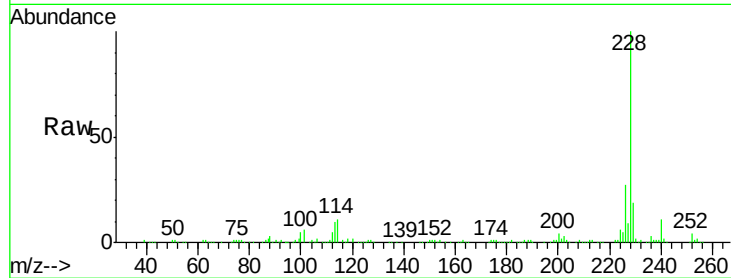
#80
Benzo(a)anthracene
Concen: 48.19 ng
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.3	33.5
229	19.4	15.9	23.9

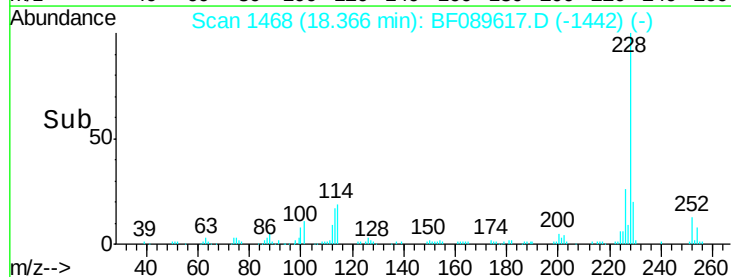
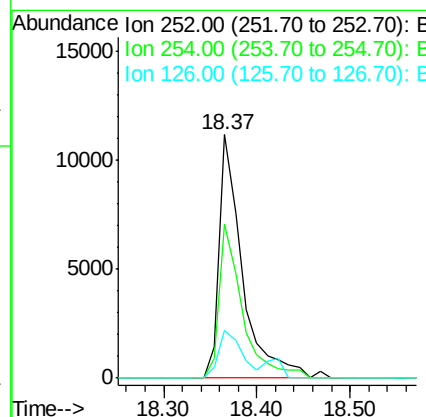
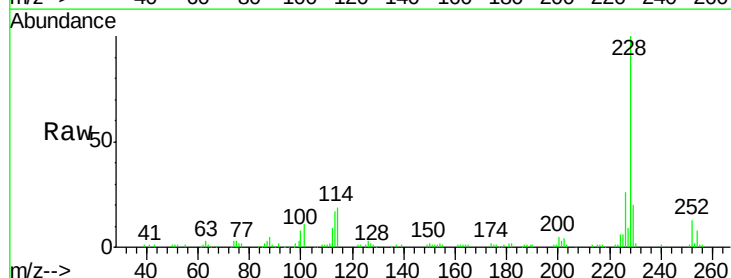
Manual Integrations
APPROVED

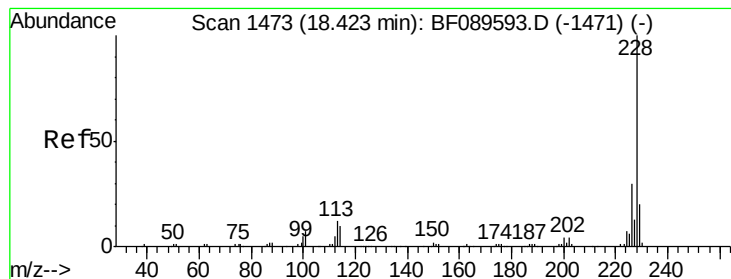
sohil
8/5/2016 6:58:59 PM



#81
3,3'-Dichlorobenzidine
Concen: 11.50 ng
RT: 18.37 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.7	77.5
126	19.5	11.0	16.4





#82

Chrysene

Concen: 46.55 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

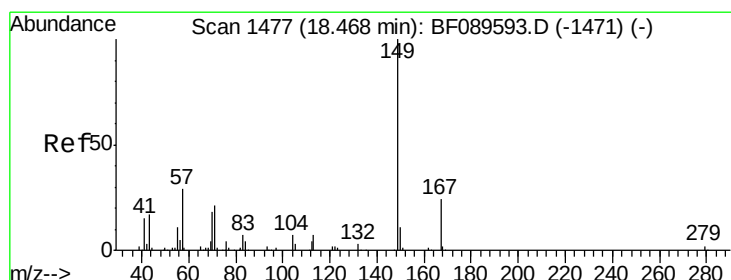
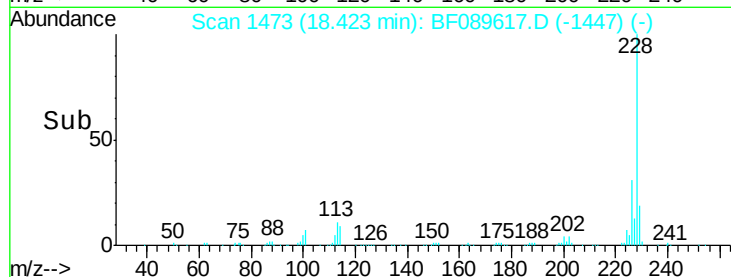
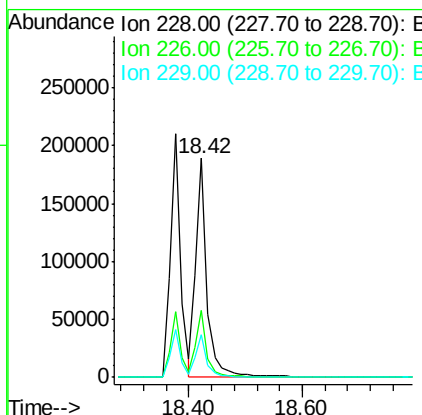
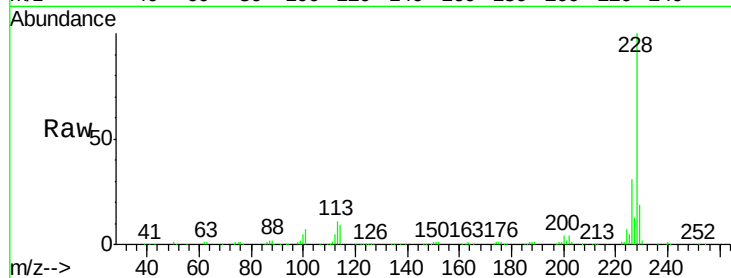
ClientSampleId :

GW-64-9.0-15.0MSD

Tot Ion:	228	Resp:	259866
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.2	36.2
229	19.4	16.0	24.0

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 48.84 ng

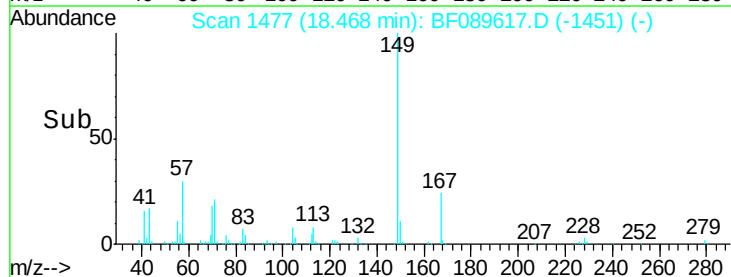
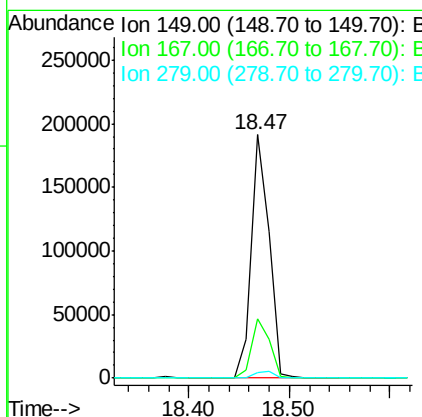
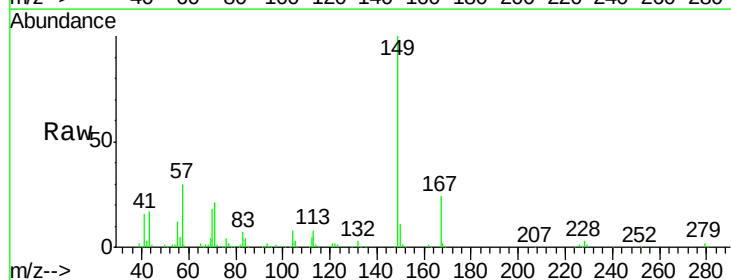
RT: 18.47 min Scan# 1477

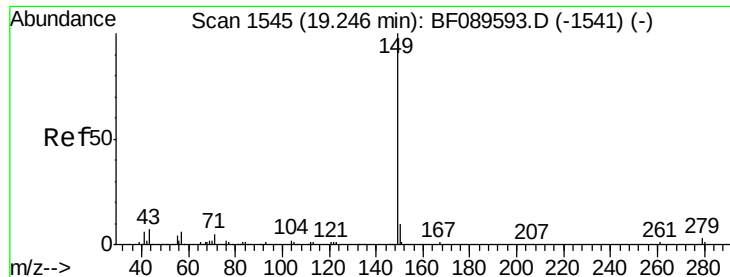
Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	149	Resp:	235612
Ion Ratio	Lower	Upper	
149	100		
167	24.1	19.0	28.4
279	2.2	1.8	2.6





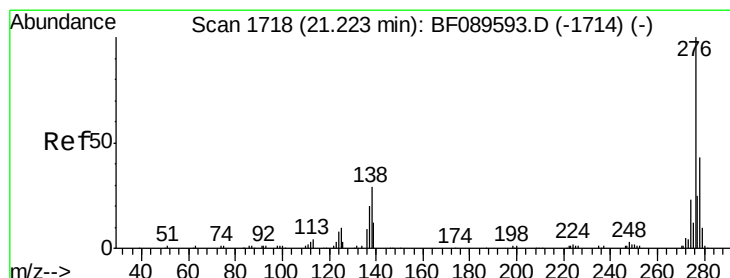
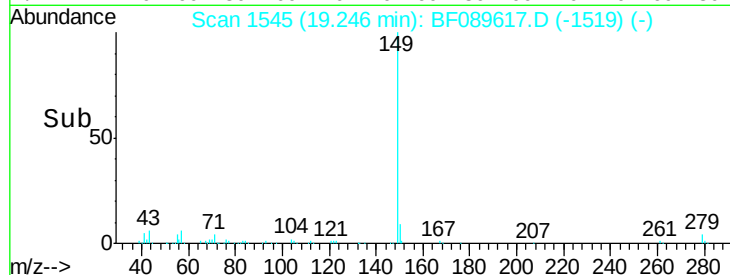
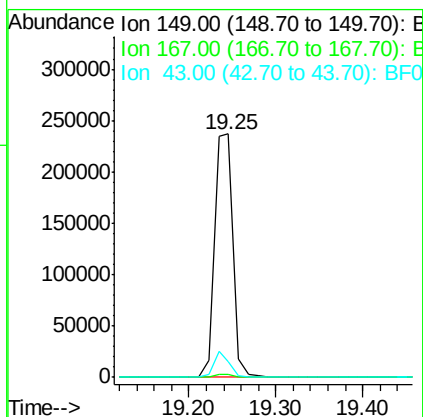
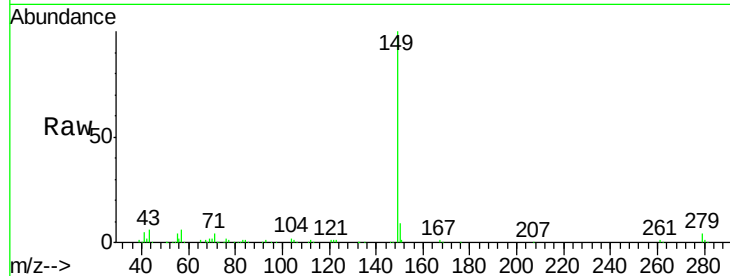
#84
Di-n-octyl phthalate
Concen: 50.55 ng
RT: 19.25 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	350934		
167	1.5		1.1	1.7
43	8.7		7.0	10.4

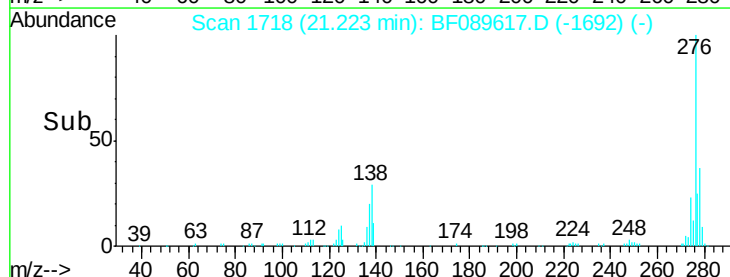
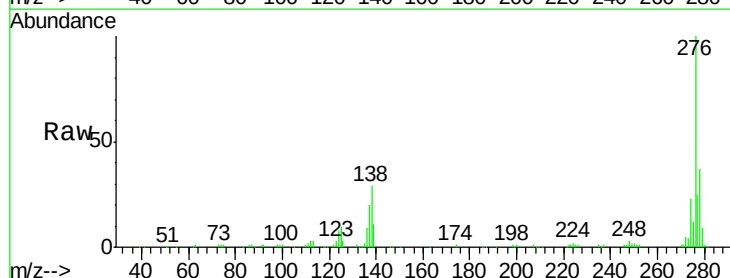
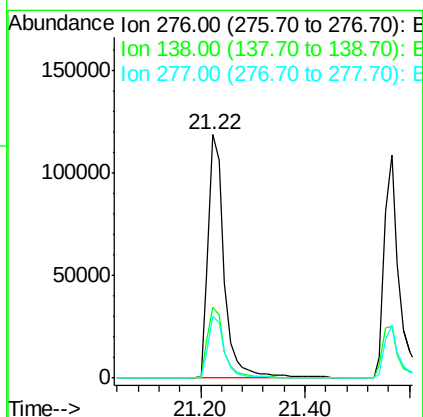
Manual Integrations
APPROVED

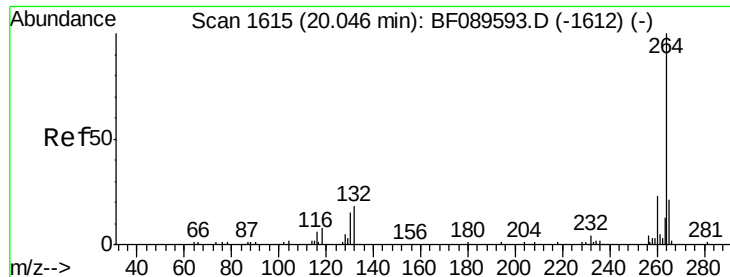
sohil
8/5/2016 6:58:59 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 60.33 ng
RT: 21.22 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	255758		
138	30.1		23.8	35.8
277	25.4		20.3	30.5





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.05 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Instrument :

BNA_F

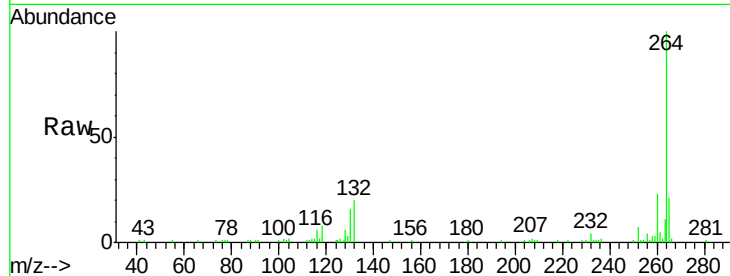
ClientSampleId :

GW-64-9.0-15.0MSD

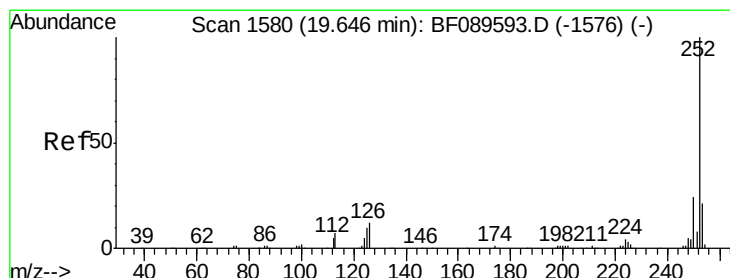
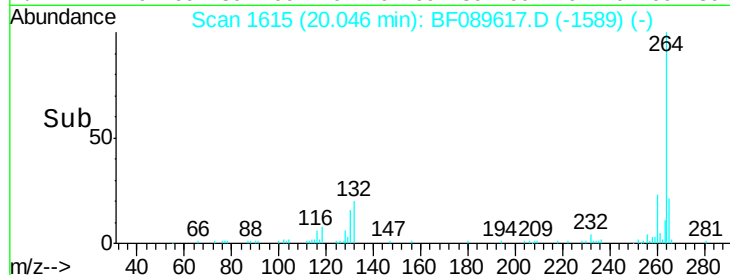
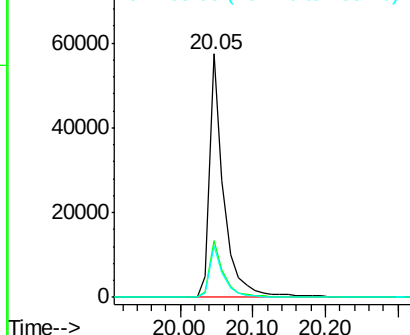
Tot Ion:	264	Resp:	77794
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.7	28.1
265	21.3	16.5	24.7

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 PM



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



#87

Benzo(b)fluoranthene

Concen: 43.03 ng

RT: 19.65 min Scan# 1580

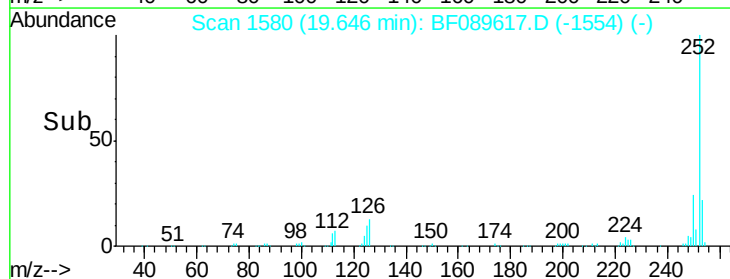
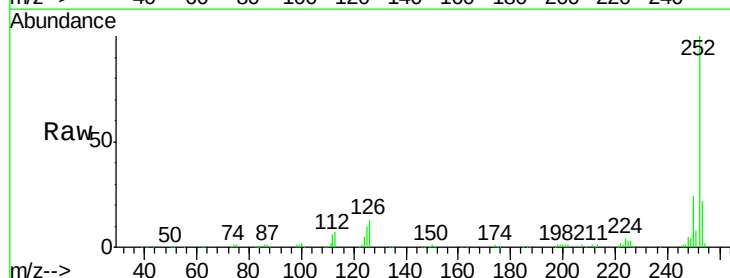
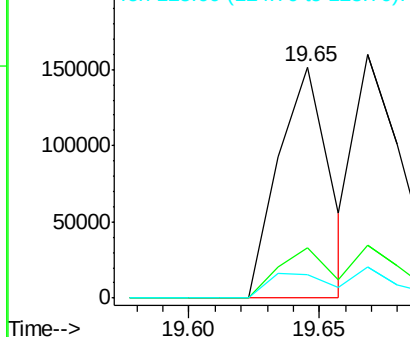
Delta R.T. 0.00 min

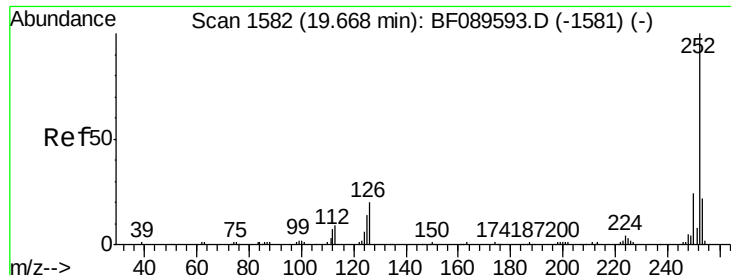
Lab File: BF089617.D

Acq: 5 Aug 2016 7:30

Tgt Ion:	252	Resp:	205862
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.1	25.7
125	10.1	7.8	11.8

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





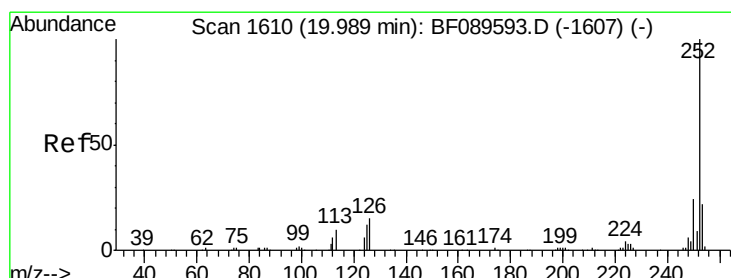
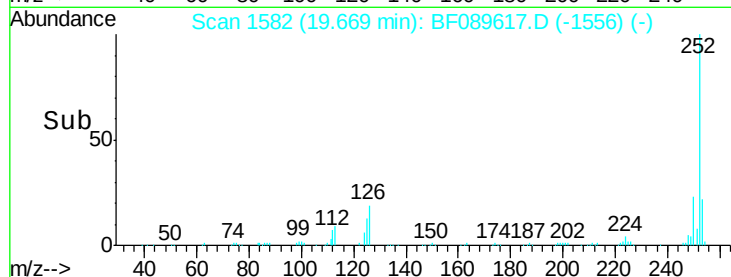
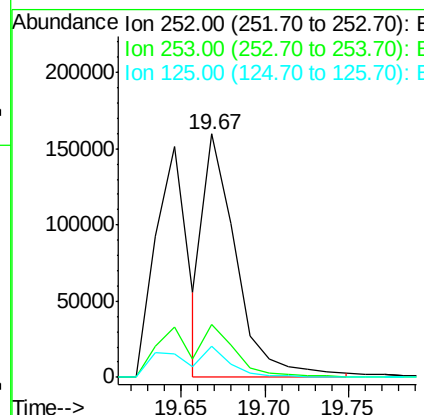
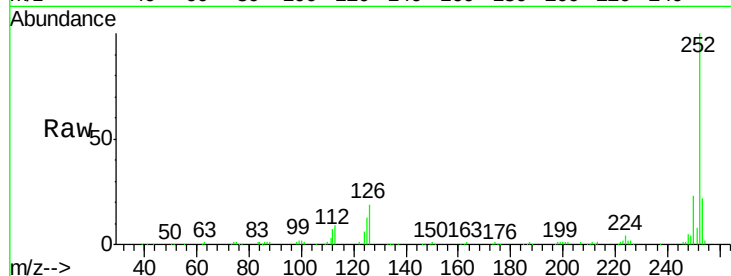
#88
Benzo(k)fluoranthene
Concen: 45.21 ng m
RT: 19.67 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	12.9	11.0	16.6

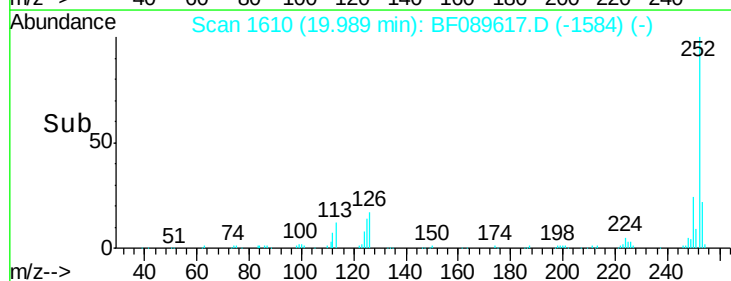
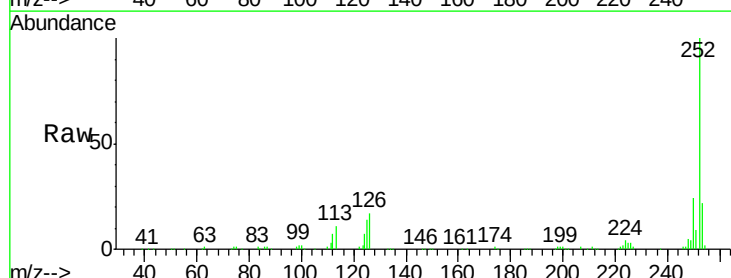
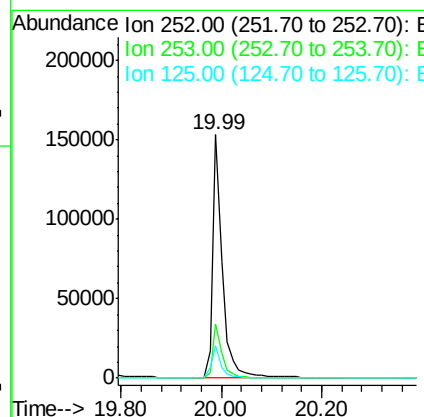
Manual Integrations
APPROVED

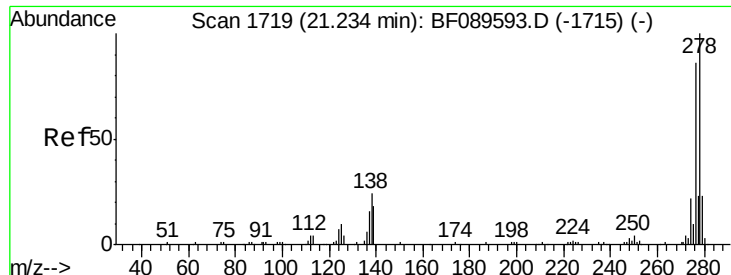
sohil
8/5/2016 6:58:59 PM



#89
Benzo(a)pyrene
Concen: 45.18 ng
RT: 19.99 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	13.6	9.9	14.9





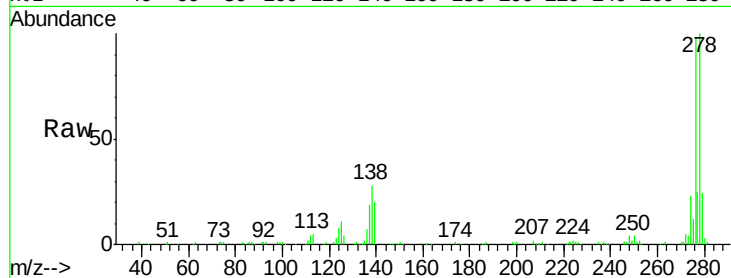
#90
Dibenzo(a,h)anthracene
Concen: 51.56 ng
RT: 21.23 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

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

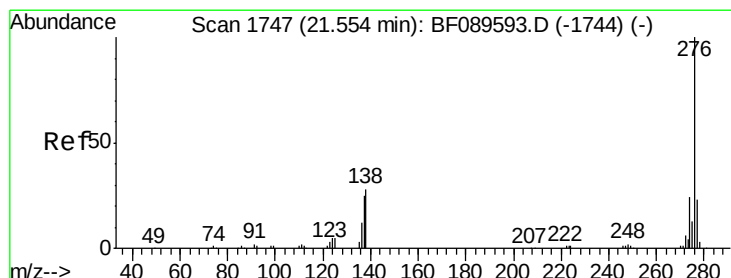
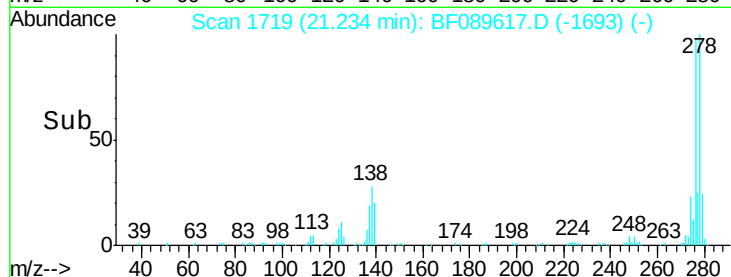
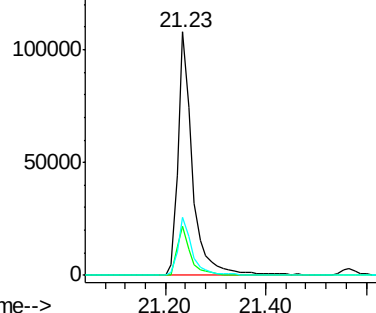
Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	14.6	21.8
279	23.7	18.4	27.6

Manual Integrations
APPROVED

sohil
8/5/2016 6:58:59 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: 52.22 ng
RT: 21.57 min Scan# 1748
Delta R.T. 0.01 min
Lab File: BF089617.D
Acq: 5 Aug 2016 7:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	23.3	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

