

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089649.D
 Acq On : 6 Aug 2016 4:09
 Operator : UM/SJ
 Sample : H4352-02MS
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

Quant Time: Aug 08 04:40:47 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	40725	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	170527	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	69777	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	102012	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	82114	20.00	ng	0.00
86) Perylene-d12	20.05	264	69257	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	372629	153.36	ng	0.05
7) Phenol-d6	6.99	99	465732	141.29	ng	0.01
23) Nitrobenzene-d5	8.36	82	334671	108.55	ng	0.00
41) 2,4,6-Tribromophenol	13.59	330	79594	138.23	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	575446	107.18	ng	0.00
78) Terphenyl-d14	17.05	244	346855	83.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.91	88	48015	34.47	ng	# 81
3) Pyridine	2.47	79	95868m	37.45	ng	
4) n-Nitrosodimethylamine	2.40	42	52889	47.41	ng	93
6) Aniline	6.95	93	71662m	16.78	ng	
8) 2-Chlorophenol	7.13	128	155770	52.22	ng	98
9) Benzaldehyde	6.75	77	36082m	30.17	ng	
10) Phenol	7.02	94	167010	49.35	ng	97
11) bis(2-Chloroethyl)ether	7.10	93	147824	50.84	ng	99
12) 1,3-Dichlorobenzene	7.35	146	157894	48.73	ng	98
13) 1,4-Dichlorobenzene	7.47	146	154512	47.82	ng	99
14) 1,2-Dichlorobenzene	7.70	146	158171	46.44	ng	99
15) Benzyl Alcohol	7.74	79	131660	60.92	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.94	45	179553	48.50	ng	# 60
17) 2-Methylphenol	7.95	107	116808	54.22	ng	98
18) Hexachloroethane	8.23	117	60639	44.53	ng	93
19) n-Nitroso-di-n-propylamine	8.17	70	121926	51.20	ng	97
20) 3+4-Methylphenols	8.22	107	149965	55.15	ng	98
22) Acetophenone	8.12	105	188269	46.31	ng	96
24) Nitrobenzene	8.39	77	162266	55.41	ng	96
25) Isophorone	8.79	82	312023	52.86	ng	98
26) 2-Nitrophenol	8.89	139	72459	53.92	ng	98
27) 2,4-Dimethylphenol	9.04	122	134047	55.48	ng	95
28) bis(2-Chloroethoxy)methane	9.16	93	191694	53.67	ng	99
29) 2,4-Dichlorophenol	9.31	162	122121	53.42	ng	96
30) 1,2,4-Trichlorobenzene	9.40	180	128466	49.20	ng	99
31) Naphthalene	9.51	128	443554	48.94	ng	100
32) Benzoic acid	9.35	122	48981	32.27	ng	97
33) 4-Chloroaniline	9.67	127	36159	10.62	ng	# 92
34) Hexachlorobutadiene	9.72	225	70093	46.62	ng	99
35) Caprolactam	10.27	113	30420m	45.66	ng	
36) 4-Chloro-3-methylphenol	10.51	107	130949	49.28	ng	96
37) 2-Methylnaphthalene	10.63	142	273989	49.15	ng	99
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	106169	40.48	ng	99
40) Hexachlorocyclopentadiene	10.89	237	15929	24.61	ng	97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089649.D
 Acq On : 6 Aug 2016 4:09
 Operator : UM/SJ
 Sample : H4352-02MS
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

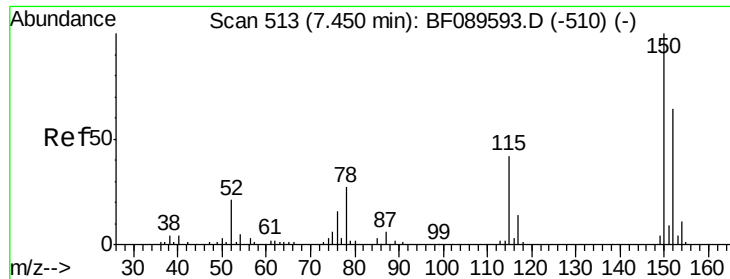
Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

Quant Time: Aug 08 04:40:47 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	75832	58.62	ng	98
43) 2,4,5-Trichlorophenol	11.21	196	80582	58.29	ng	99
45) 1,1'-Biphenyl	11.41	154	301456	47.91	ng	100
46) 2-Chloronaphthalene	11.42	162	249115	52.80	ng	98
47) 2-Nitroaniline	11.62	65	78898	51.88	ng	96
48) Acenaphthylene	12.07	152	391910	50.43	ng	100
49) Dimethylphthalate	11.97	163	316457	57.86	ng	99
50) 2,6-Dinitrotoluene	12.05	165	62970	57.91	ng	92
51) Acenaphthene	12.35	154	229840	51.20	ng	99
52) 3-Nitroaniline	12.31	138	42509	32.68	ng	99
53) 2,4-Dinitrophenol	12.51	184	17915	46.03	ng	97
54) Dibenzofuran	12.64	168	343502	55.66	ng	99
55) 4-Nitrophenol	12.69	139	57062	88.76	ng	# 70
56) 2,4-Dinitrotoluene	12.70	165	79191	51.78	ng	92
57) Fluorene	13.19	166	264986	50.24	ng	99
58) 2,3,4,6-Tetrachlorophenol	12.87	232	58755	55.98	ng	96
59) Diethylphthalate	13.11	149	313051	55.35	ng	99
60) 4-Chlorophenyl-phenylether	13.22	204	124354	51.41	ng	98
61) 4-Nitroaniline	13.31	138	47416	40.55	ng	95
62) Azobenzene	13.47	77	307343	56.18	ng	92
64) 4,6-Dinitro-2-methylphenol	13.37	198	16463	28.79	ng	90
65) n-Nitrosodiphenylamine	13.44	169	222888	64.69	ng	100
66) 4-Bromophenyl-phenylether	14.00	248	62819	63.67	ng	# 79
67) Hexachlorobenzene	14.07	284	60113	55.38	ng	99
68) Atrazine	14.35	200	64493	67.04	ng	96
69) Pentachlorophenol	14.42	266	53922	114.17	ng	98
70) Phenanthrene	14.73	178	312632	56.36	ng	99
71) Anthracene	14.81	178	327657	55.10	ng	100
72) Carbazole	15.11	167	280199	56.53	ng	99
73) Di-n-butylphthalate	15.70	149	409757	61.13	ng	99
74) Fluoranthene	16.49	202	294169	51.59	ng	98
76) Benzidine	16.73	184	64255	25.81	ng	100
77) Pyrene	16.79	202	302059	41.61	ng	98
79) Butylbenzylphthalate	17.71	149	144853	46.89	ng	# 79
80) Benzo(a)anthracene	18.38	228	254998	54.05	ng	99
81) 3,3'-Dichlorobenzidine	18.37	252	80706	54.30	ng	98
82) Chrysene	18.42	228	264546	53.45	ng	99
83) Bis(2-ethylhexyl)phthalate	18.47	149	201586	47.13	ng	100
84) Di-n-octyl phthalate	19.25	149	373527	60.68	ng	98
85) Indeno(1,2,3-cd)pyrene	21.23	276	188568	50.17	ng	99
87) Benzo(b)fluoranthene	19.65	252	230201	54.04	ng	99
88) Benzo(k)fluoranthene	19.68	252	250136m	58.21	ng	
89) Benzo(a)pyrene	19.99	252	220051	55.18	ng	# 96
90) Dibenzo(a,h)anthracene	21.23	278	162563	43.63	ng	# 96
91) Benzo(g,h,i)perylene	21.57	276	148987	39.06	ng	97

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



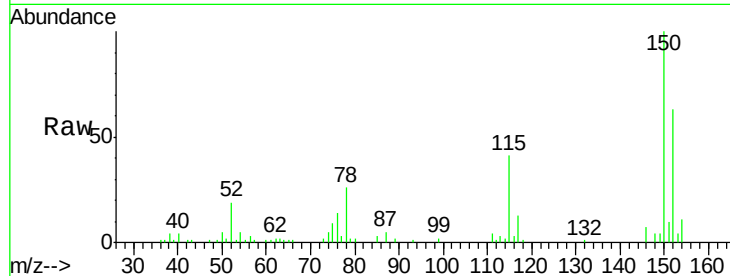
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.45 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

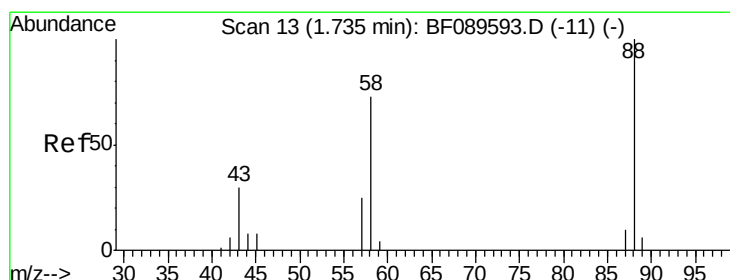
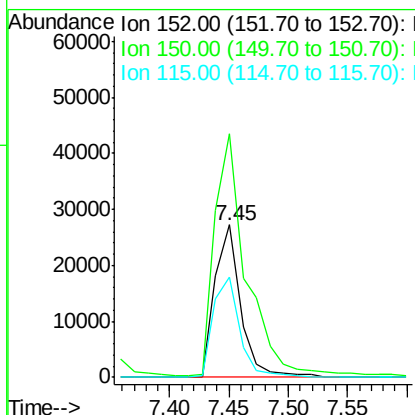
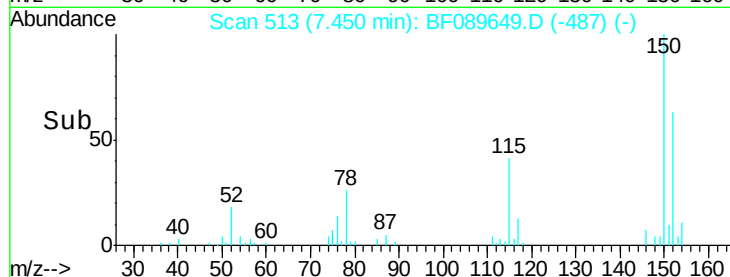
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	40725		
150	159.5	125.5	188.3	
115	65.6	52.0	78.0	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

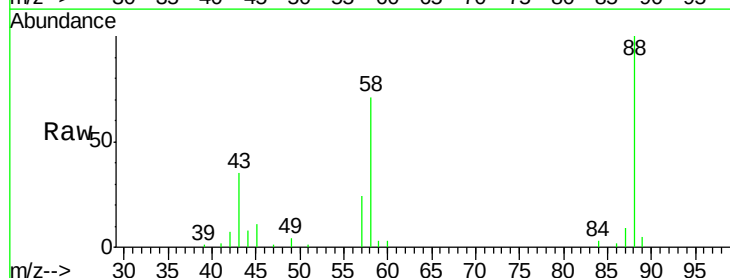


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

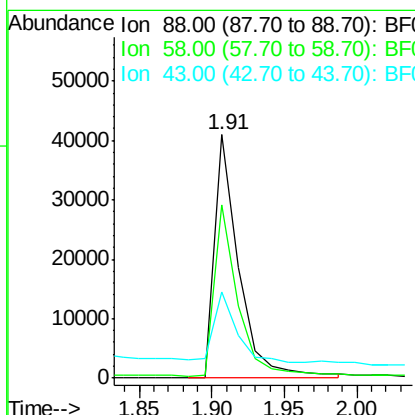
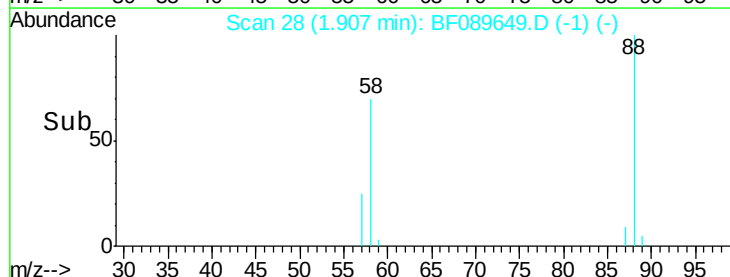


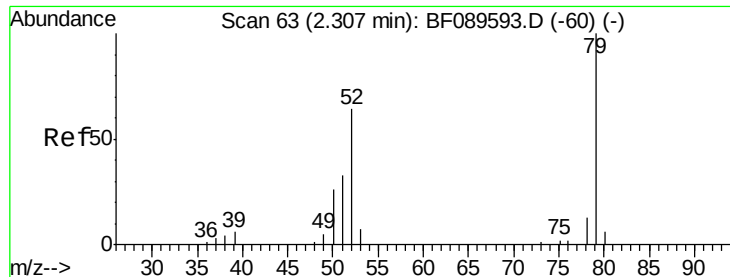
#2
 1,4-Dioxane
 Concen: 34.47 ng
 RT: 1.91 min Scan# 28
 Delta R.T. 0.17 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	48015		
58	66.8	49.8	74.8	
43	0.0	20.1	30.1	



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.45 ng m

RT: 2.47 min Scan# 77

Delta R.T. 0.16 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

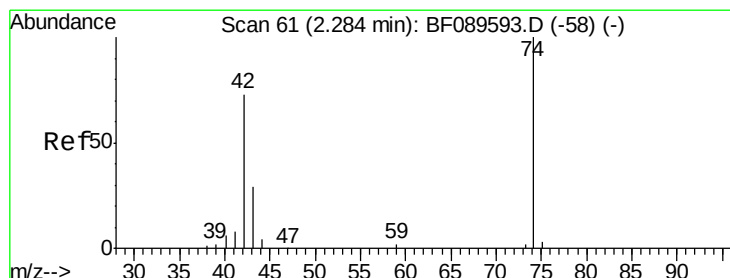
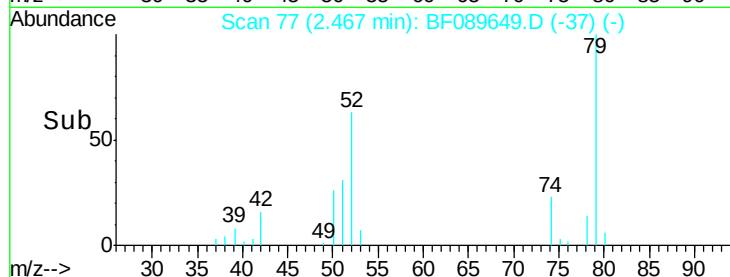
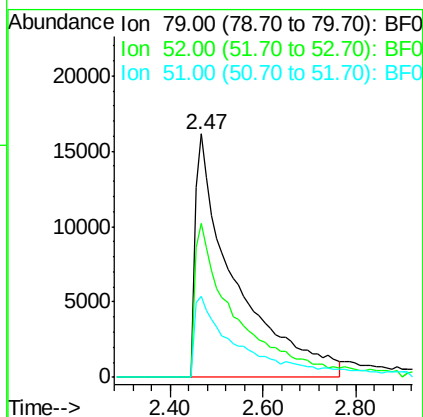
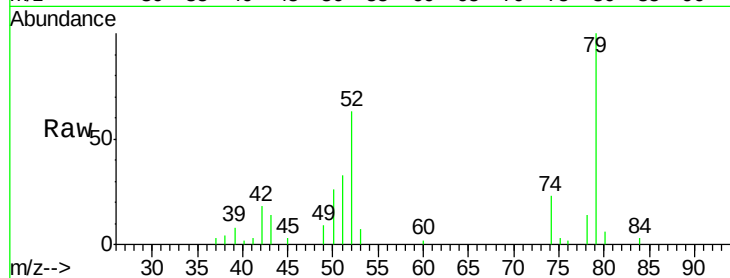
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	79	Resp:	95868
Ion	Ratio	Lower	Upper
79	100		
52	63.1	51.0	76.4
51	33.4	27.9	41.9

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#4

n-Nitrosodimethylamine

Concen: 47.41 ng

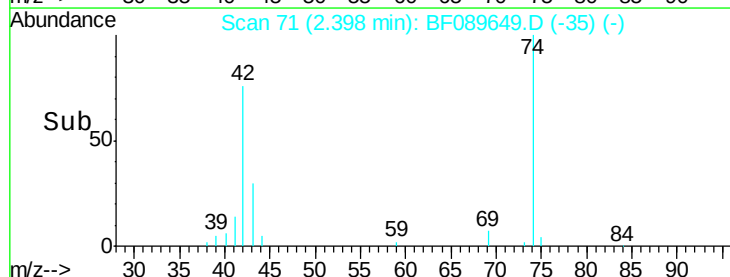
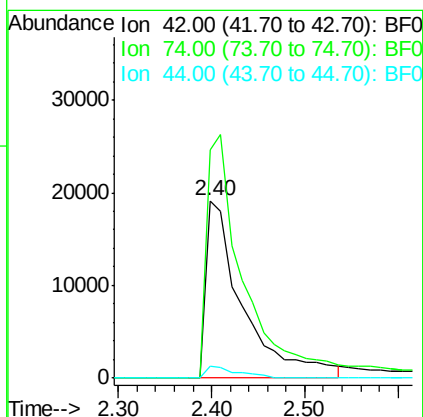
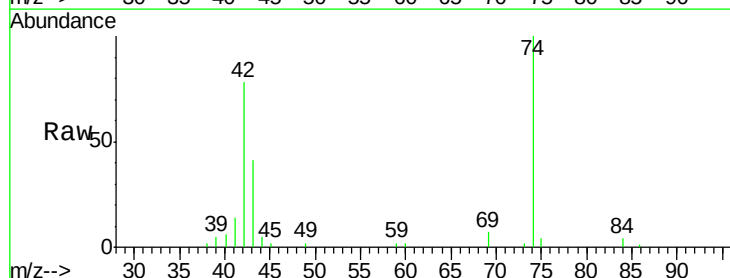
RT: 2.40 min Scan# 71

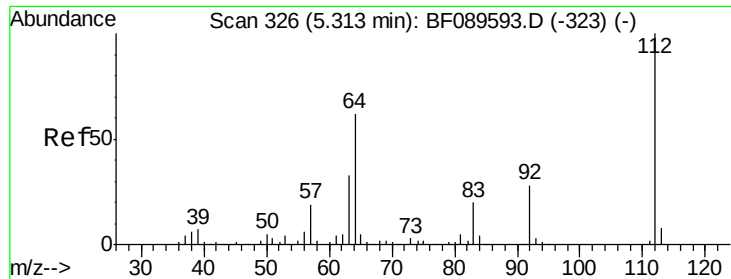
Delta R.T. 0.12 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	42	Resp:	52889
Ion	Ratio	Lower	Upper
42	100		
74	128.5	110.0	165.0
44	6.5	4.8	7.2





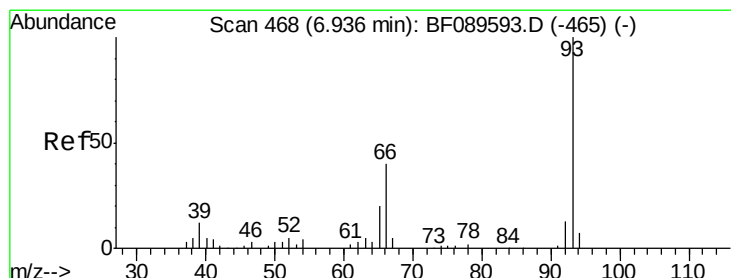
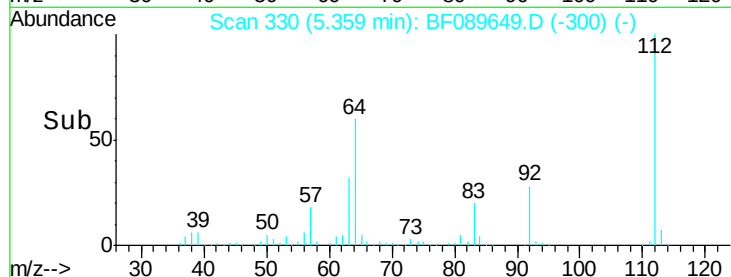
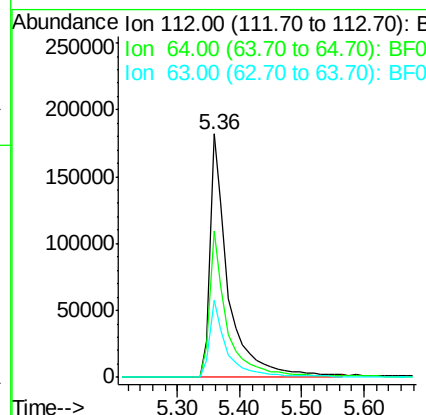
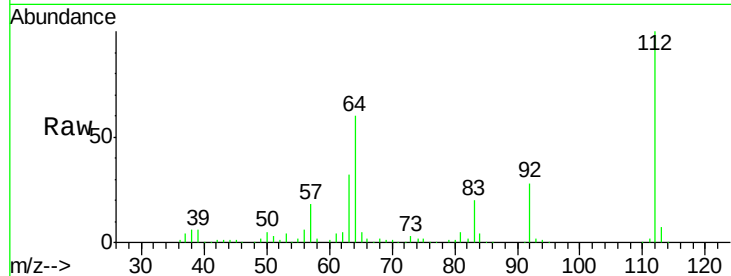
#5
 2-Fluorophenol
 Concen: 153.36 ng
 RT: 5.36 min Scan# 330
 Delta R.T. 0.05 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	59.9	49.9	74.9
63	31.7	26.1	39.1

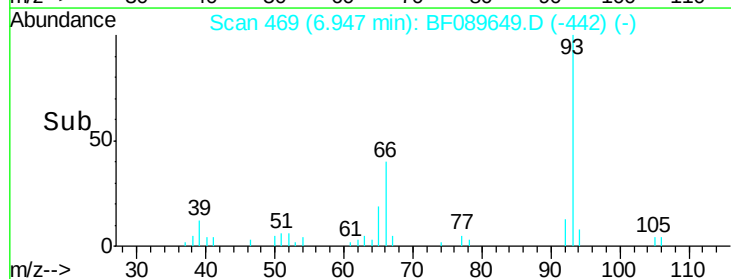
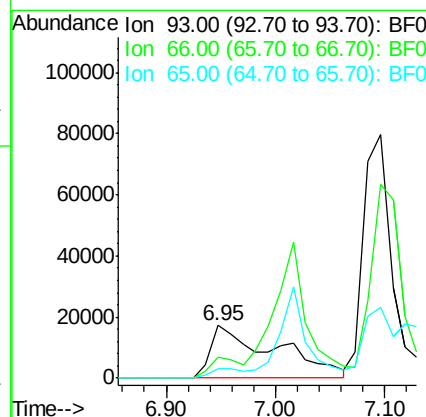
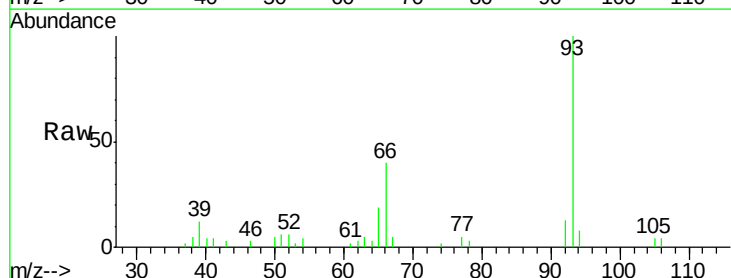
Manual Integrations
 APPROVED

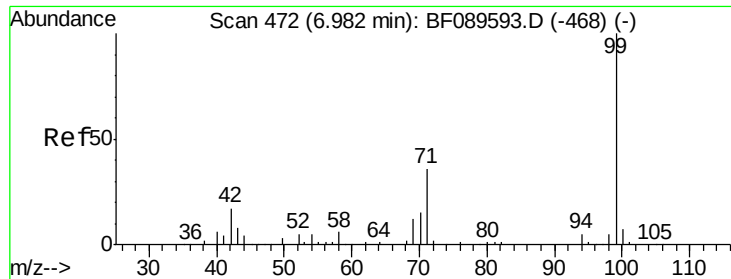
umangi
 8/8/2016 9:20:31 AM



#6
 Aniline
 Concen: 16.78 ng m
 RT: 6.95 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	40.3	32.2	48.2
65	18.7	15.8	23.8





#7

Phenol-d6

Concen: 141.29 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

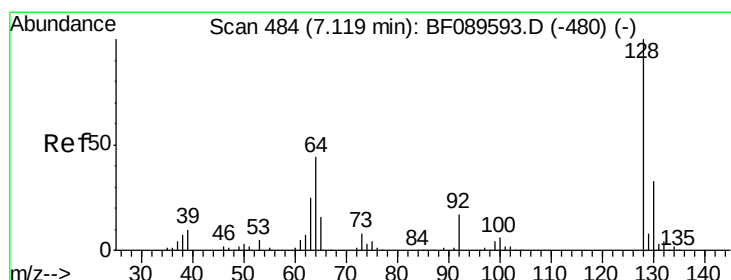
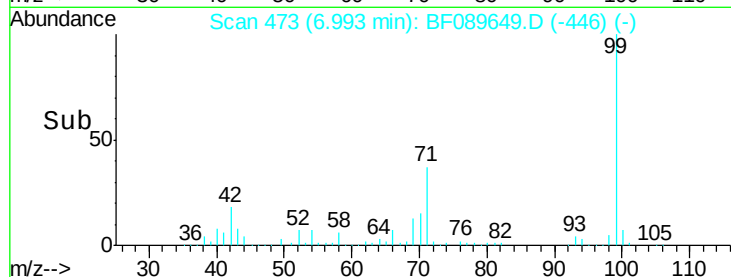
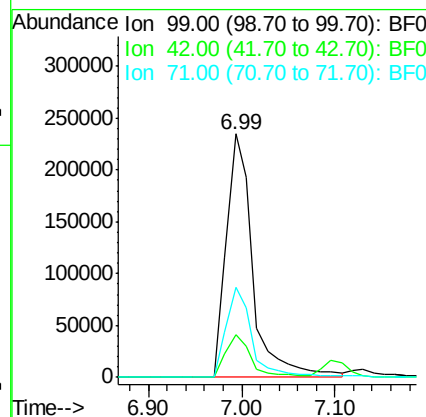
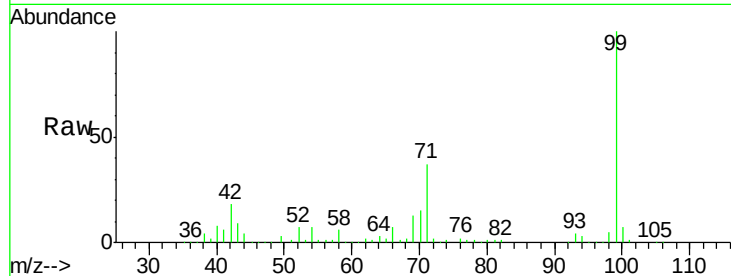
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	99	Resp:	465732
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	37.2	29.0	43.4

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#8

2-Chlorophenol

Concen: 52.22 ng

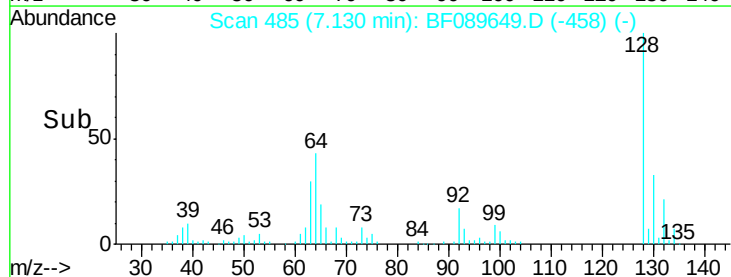
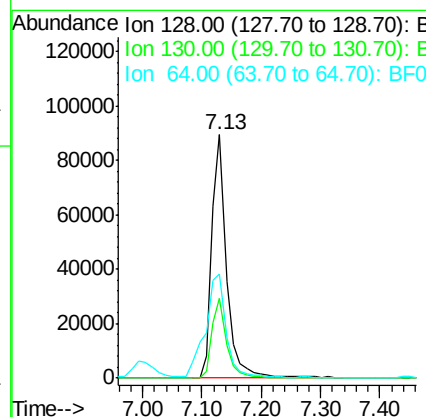
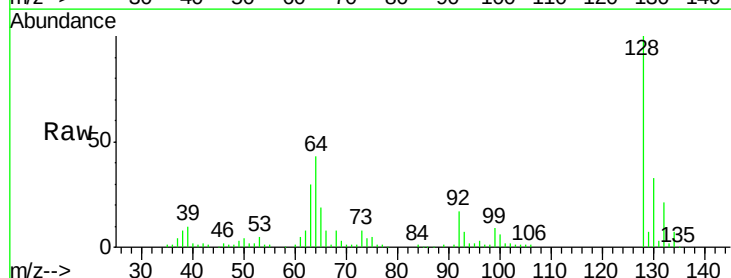
RT: 7.13 min Scan# 485

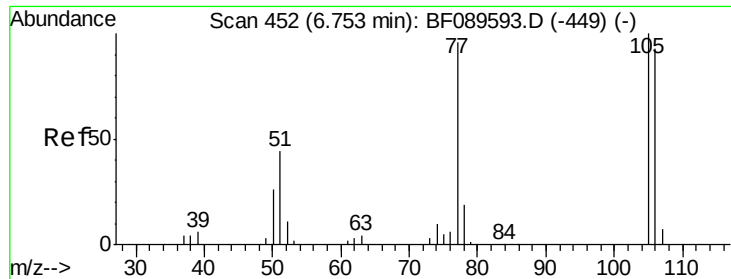
Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	128	Resp:	155770
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	43.0	25.3	65.3





#9

Benzaldehyde

Concen: 30.17 ng m

RT: 6.75 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion: 77 Resp: 36082

Ion Ratio Lower Upper

77 100

105 98.7 84.7 124.7

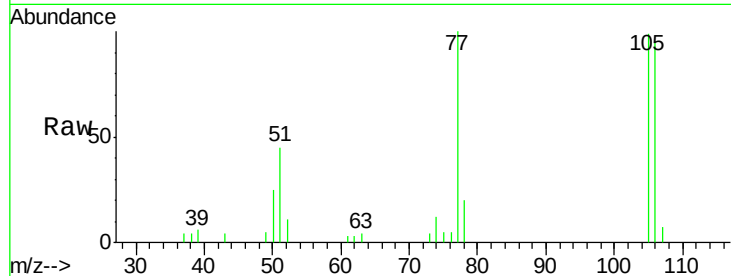
106 94.8 77.1 117.1

Manual Integrations

APPROVED

umangi

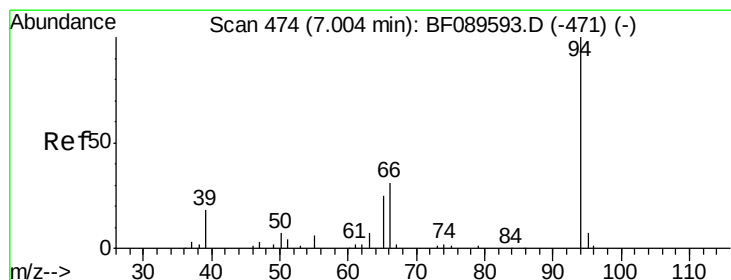
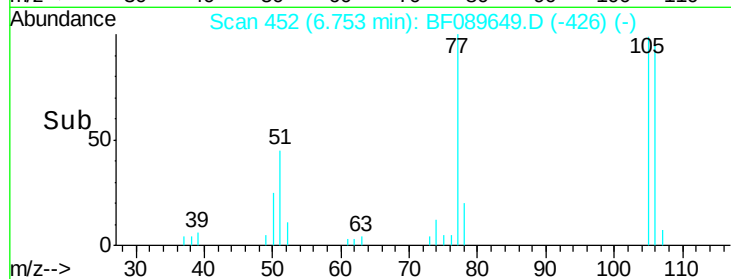
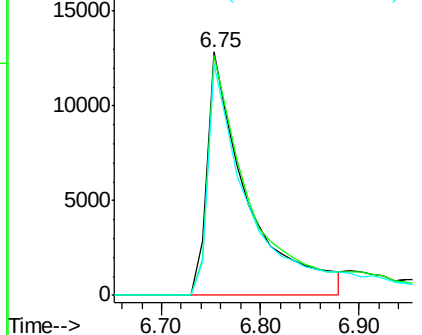
8/8/2016 9:20:31 AM



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 49.35 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

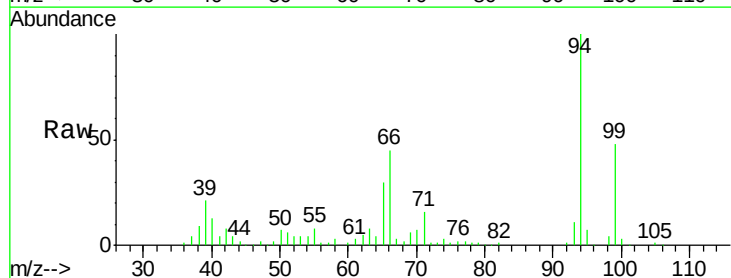
Tgt Ion: 94 Resp: 167010

Ion Ratio Lower Upper

94 100

65 29.9 11.0 51.0

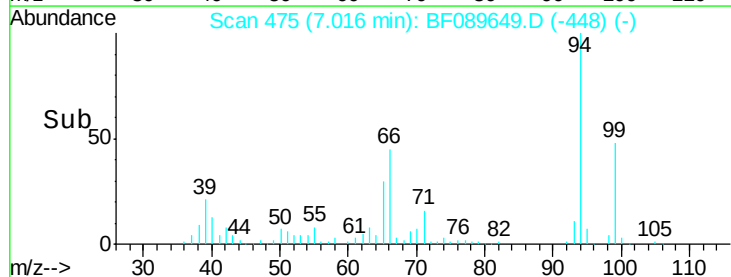
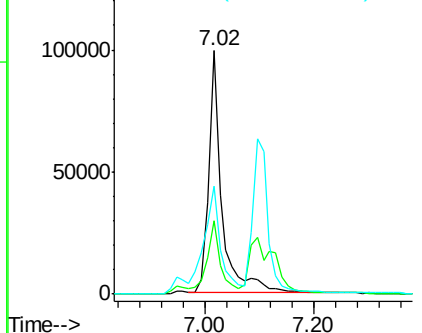
66 44.5 27.4 67.4

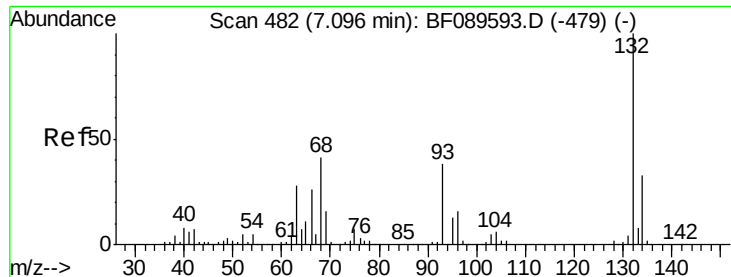


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 50.84 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

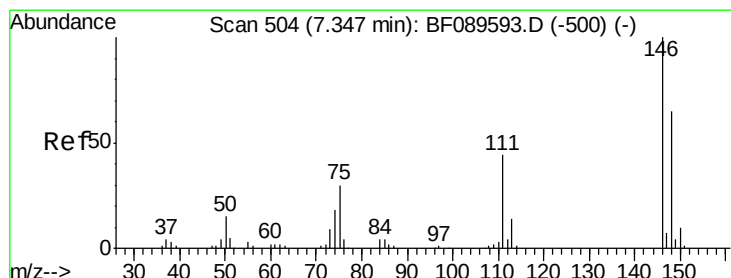
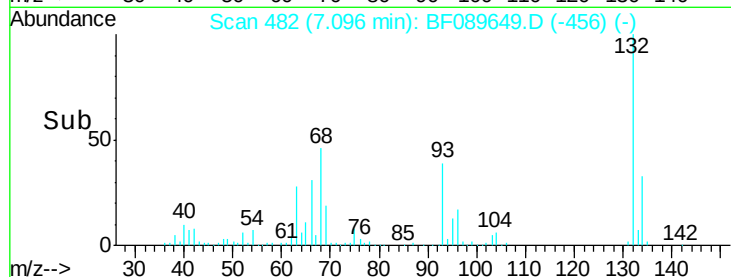
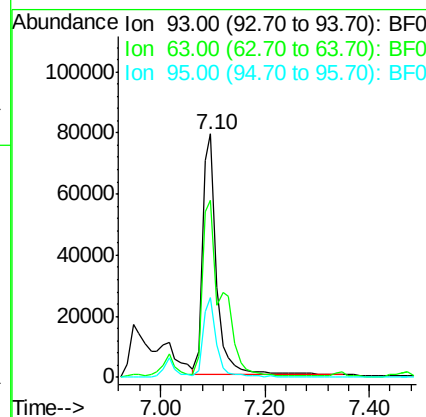
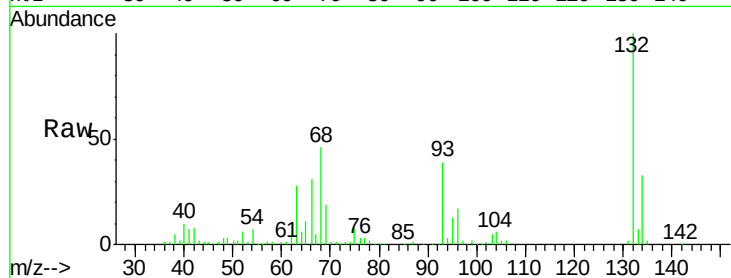
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	93	Resp:	147824
Ion Ratio	Lower	Upper	
93	100		
63	72.5	52.2	92.2
95	32.6	13.1	53.1

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#12

1,3-Dichlorobenzene

Concen: 48.73 ng

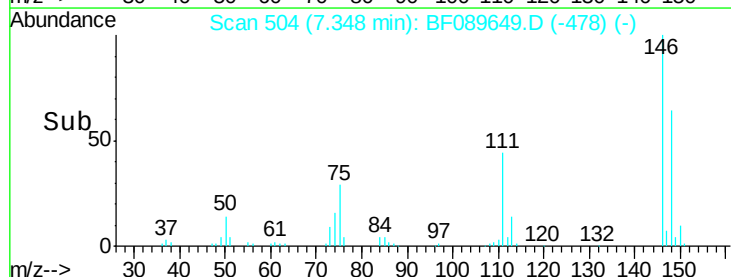
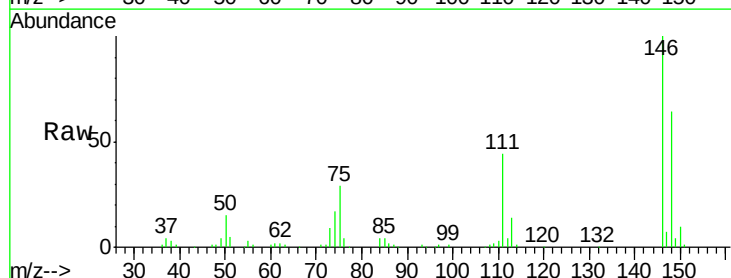
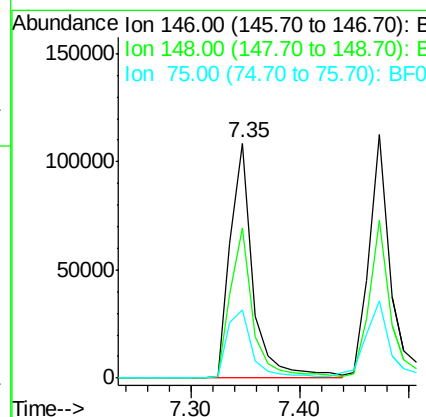
RT: 7.35 min Scan# 504

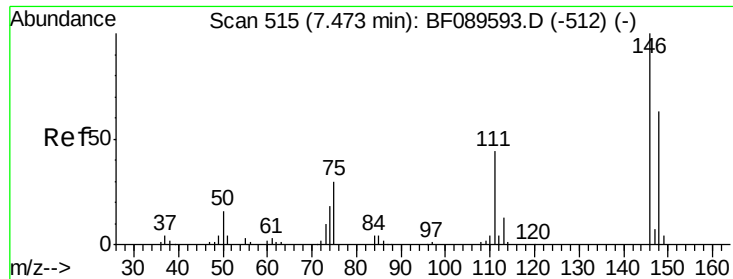
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	146	Resp:	157894
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.1	78.1
75	29.2	24.1	36.1





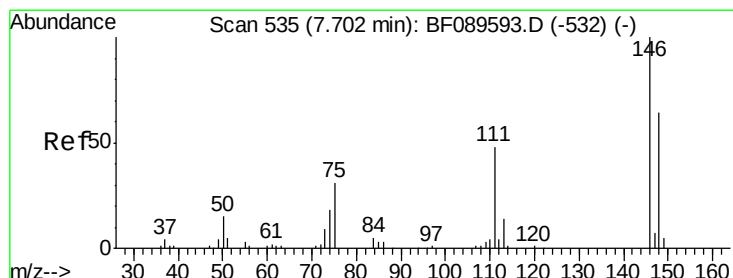
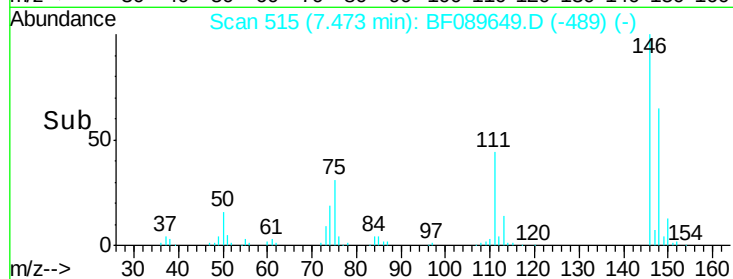
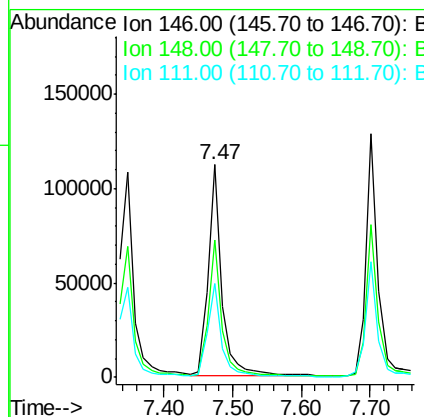
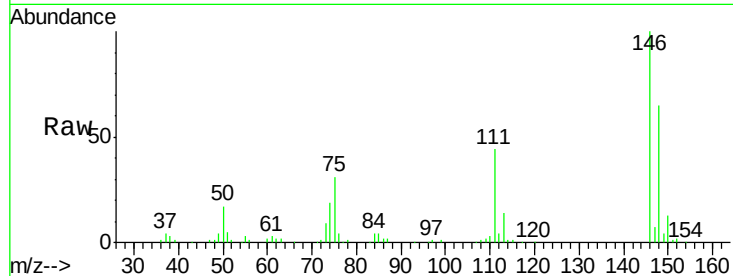
#13
 1,4-Dichlorobenzene
 Concen: 47.82 ng
 RT: 7.47 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154512		
148	64.6	50.4	75.6	
111	43.9	35.0	52.4	

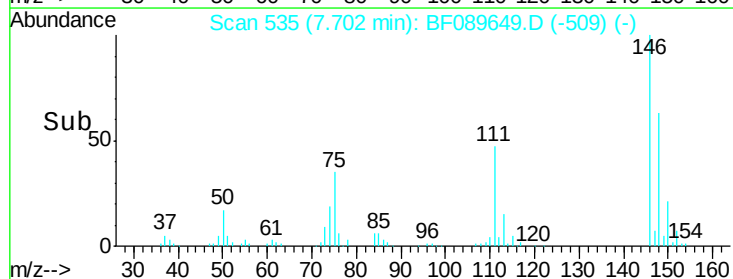
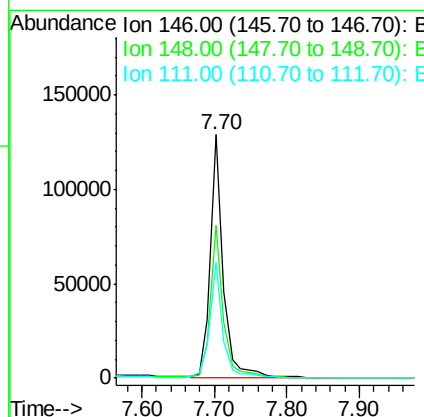
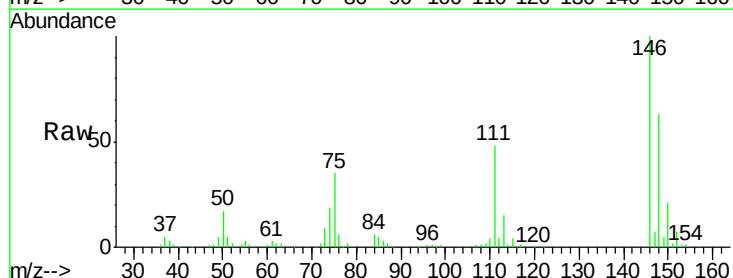
Manual Integrations
 APPROVED

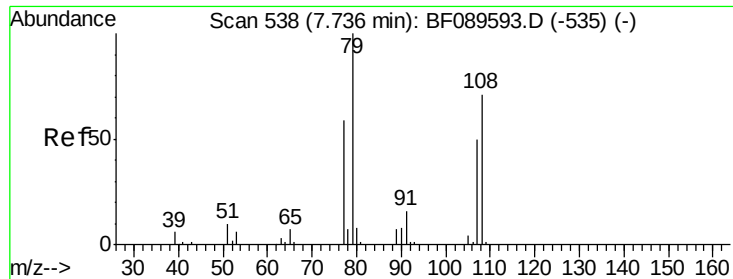
umangi
 8/8/2016 9:20:31 AM



#14
 1,2-Dichlorobenzene
 Concen: 46.44 ng
 RT: 7.70 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	158171		
148	62.9	51.0	76.6	
111	47.5	38.5	57.7	





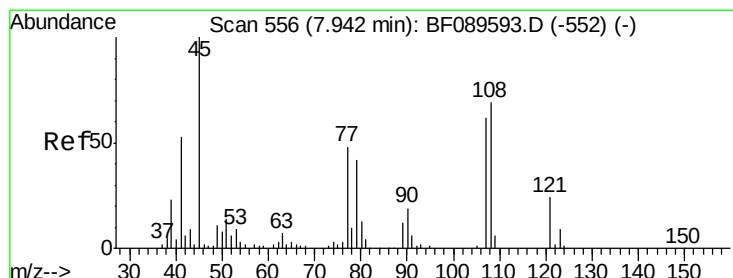
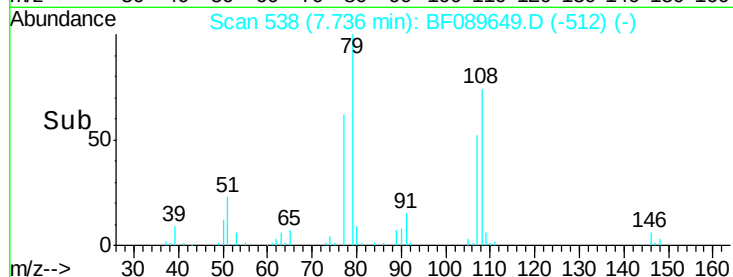
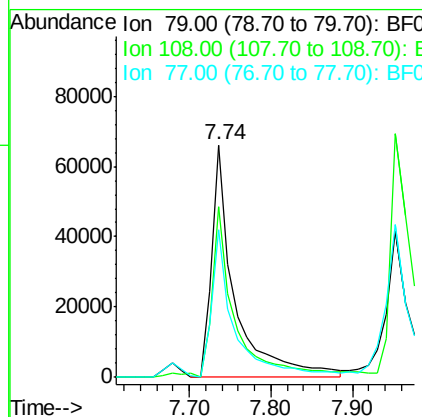
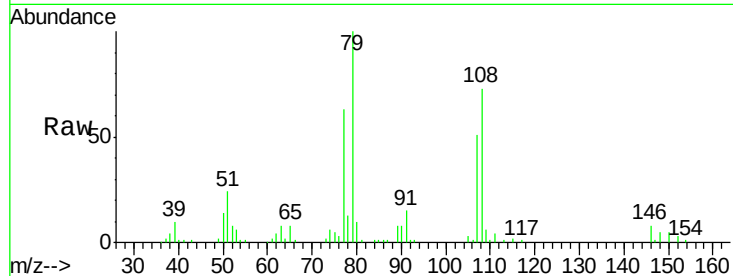
#15
Benzyl Alcohol
Concen: 60.92 ng
RT: 7.74 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion: 79 Resp: 131660
Ion Ratio Lower Upper
79 100
108 73.3 58.3 87.5
77 63.3 48.7 73.1

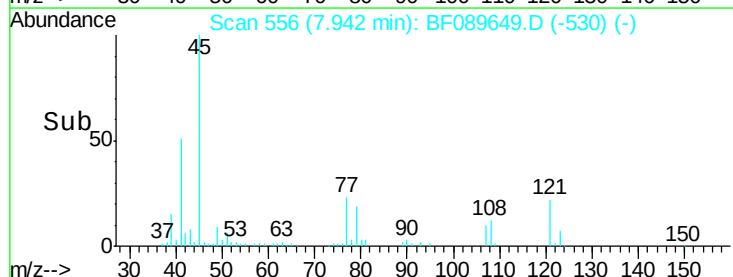
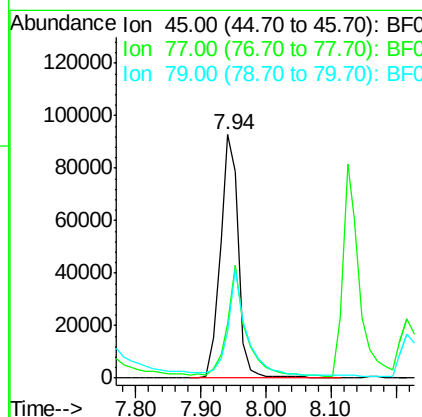
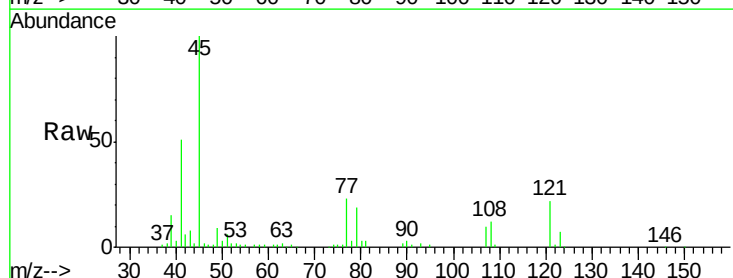
Manual Integrations
APPROVED

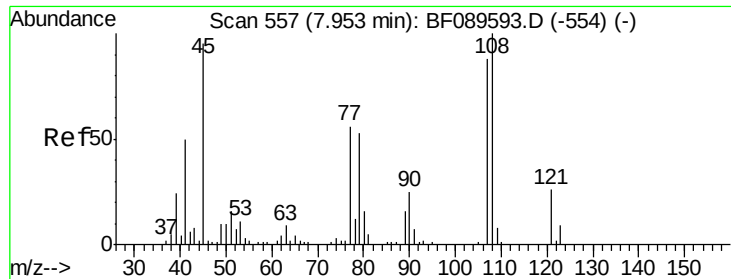
umangi
8/8/2016 9:20:31 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.50 ng
RT: 7.94 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion: 45 Resp: 179553
Ion Ratio Lower Upper
45 100
77 22.5 30.1 70.1#
79 19.3 25.5 65.5#





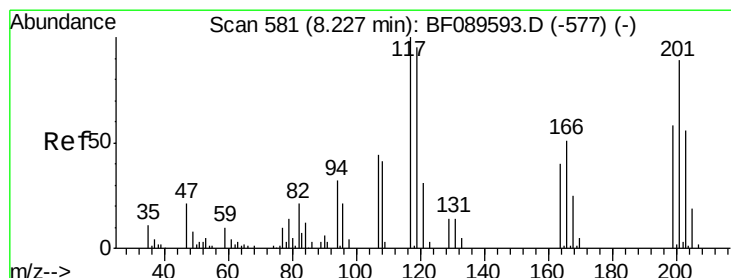
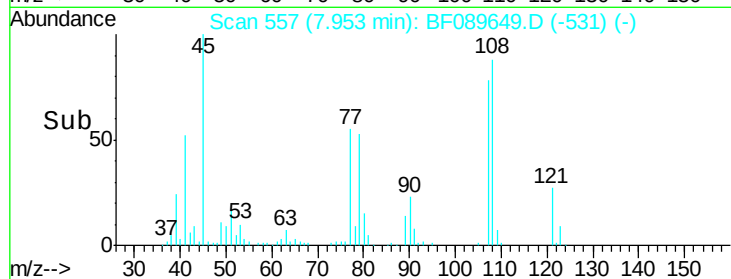
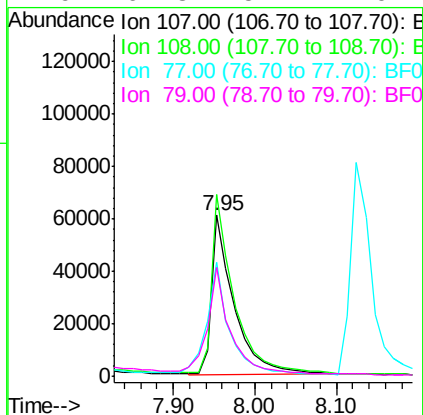
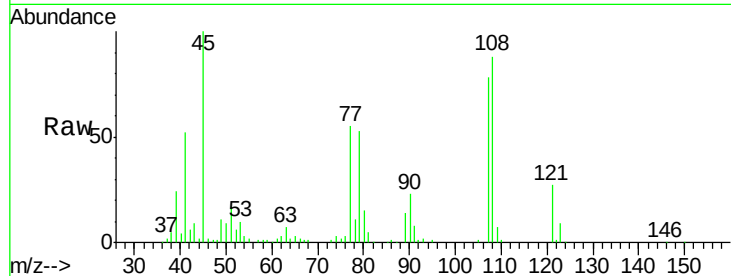
#17
2-Methylphenol
Concen: 54.22 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion:	107	Resp:	116808
Ion Ratio	Lower	Upper	
107	100		
108	112.7	91.2	136.8
77	70.4	54.6	82.0
79	67.8	52.7	79.1

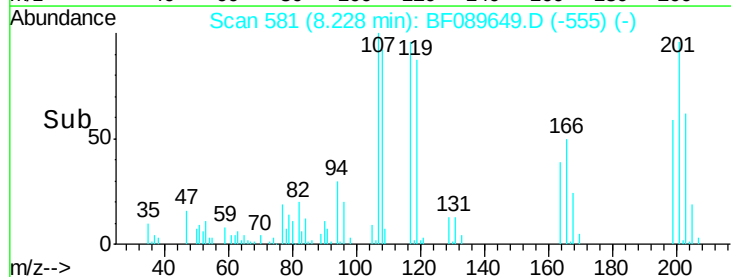
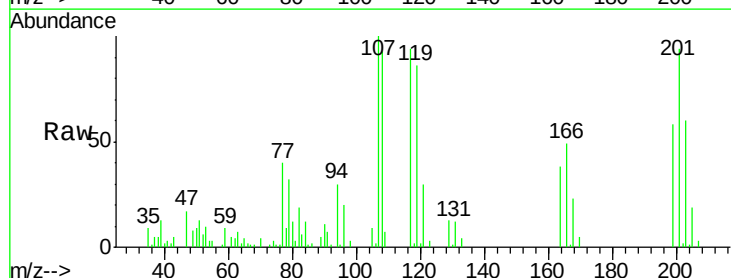
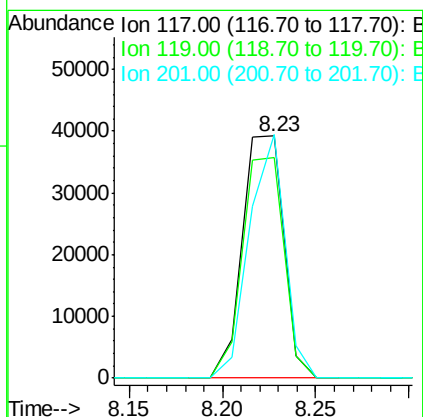
Manual Integrations
APPROVED

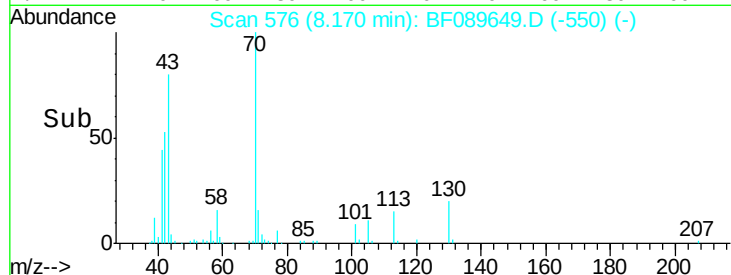
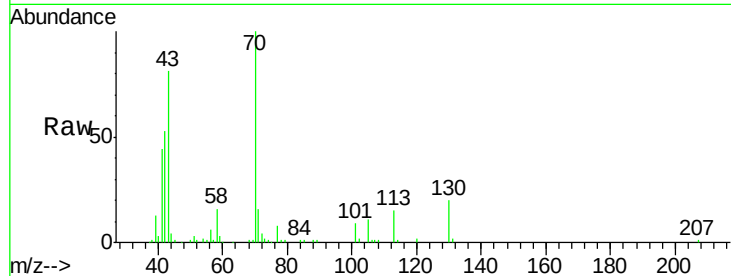
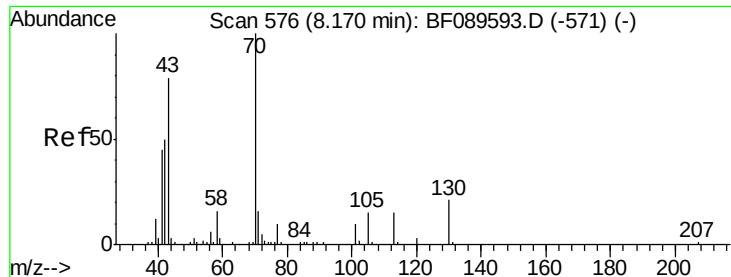
umangi
8/8/2016 9:20:31 AM



#18
Hexachloroethane
Concen: 44.53 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion:	117	Resp:	60639
Ion Ratio	Lower	Upper	
117	100		
119	91.3	75.7	113.5
201	100.6	71.6	107.4





#19

n-Nitroso-di-n-propylamine

Concen: 51.20 ng

RT: 8.17 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.6	40.2	60.2	
101	9.5	7.8	11.6	
130	19.7	16.4	24.6	

Instrument :

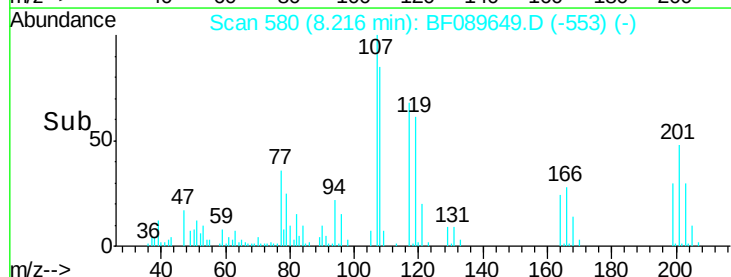
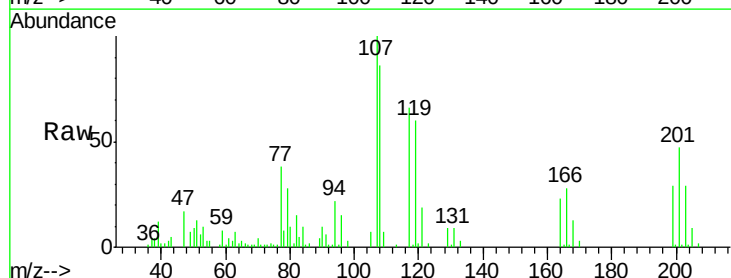
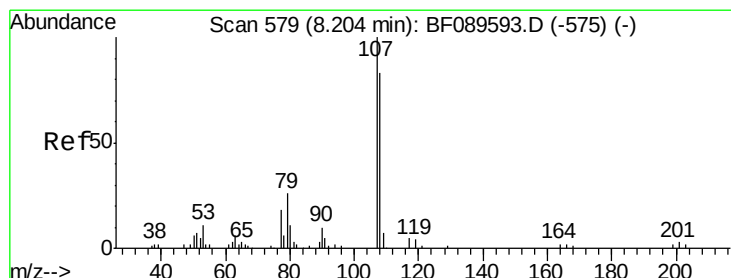
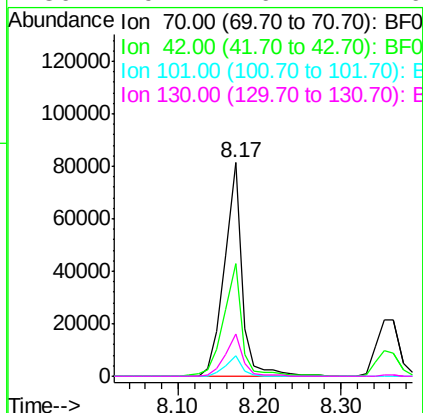
BNA_F

ClientSampleId :

WASTE-GAC-VPMS

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#20

3+4-Methylphenols

Concen: 55.15 ng

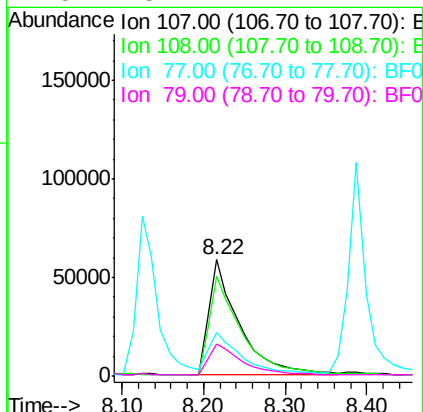
RT: 8.22 min Scan# 580

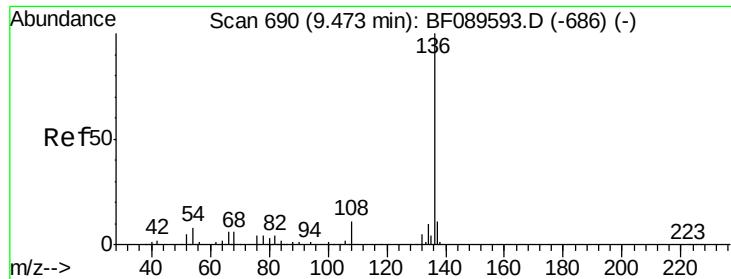
Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.8	63.8	103.8	
77	38.0	19.5	59.5	
79	28.1	7.1	47.1	





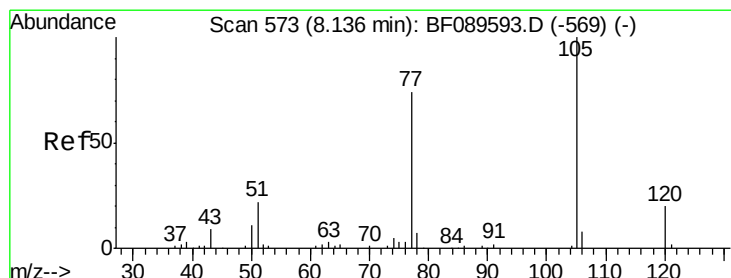
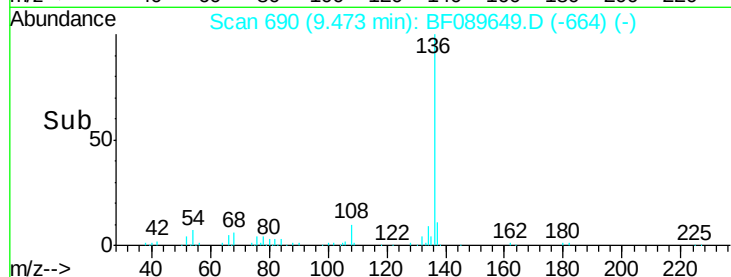
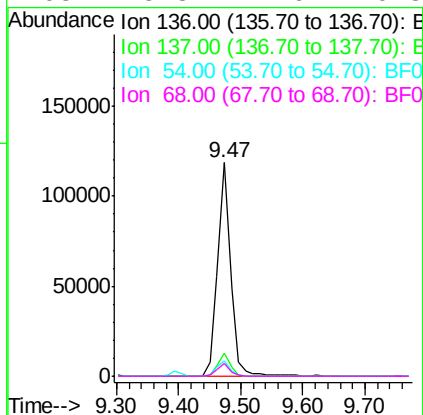
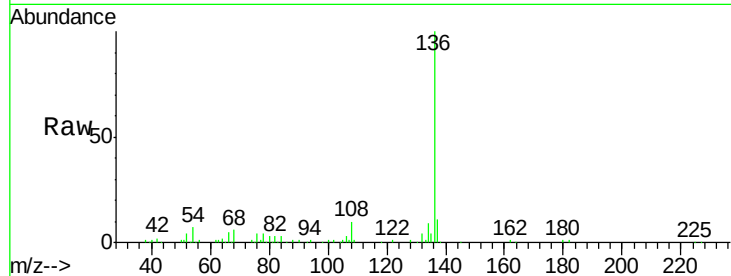
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	170527		
137	11.0	8.6	12.8	
54	7.3	6.0	9.0	
68	5.8	4.6	6.8	

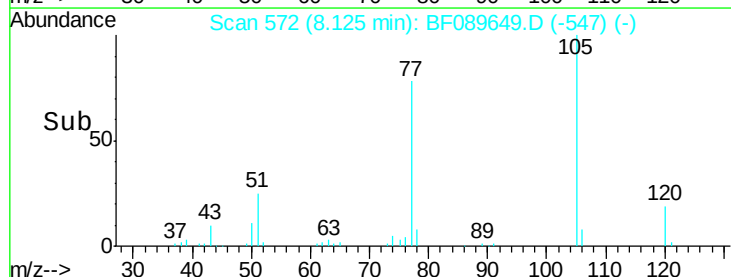
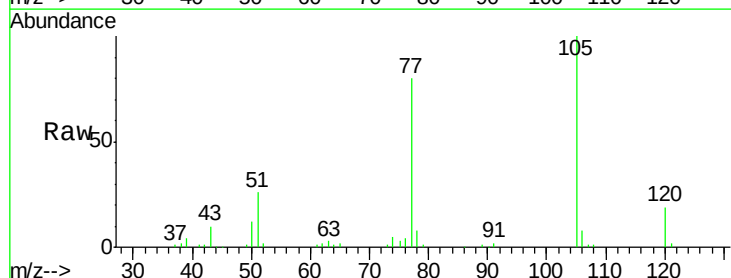
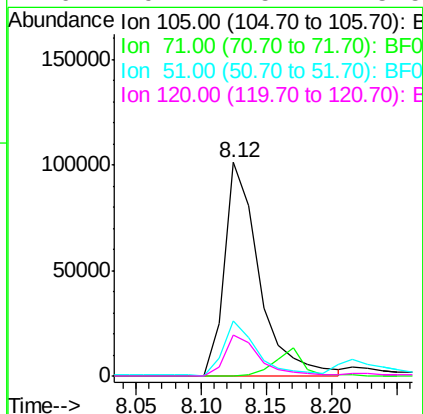
Manual Integrations
APPROVED

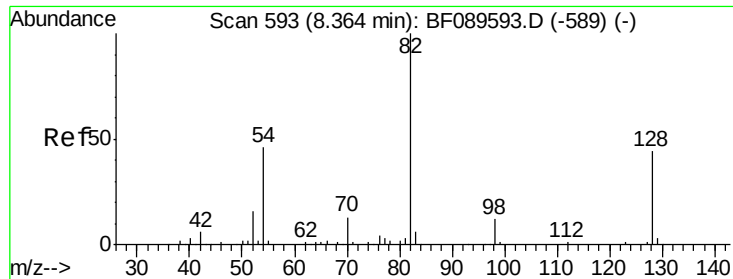
umangi
8/8/2016 9:20:31 AM



#22
Acetophenone
Concen: 46.31 ng
RT: 8.12 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188269		
71	0.0	0.0	0.0	
51	25.8	18.2	27.2	
120	19.2	15.7	23.5	





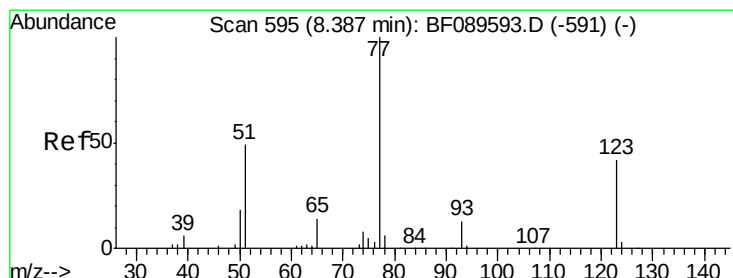
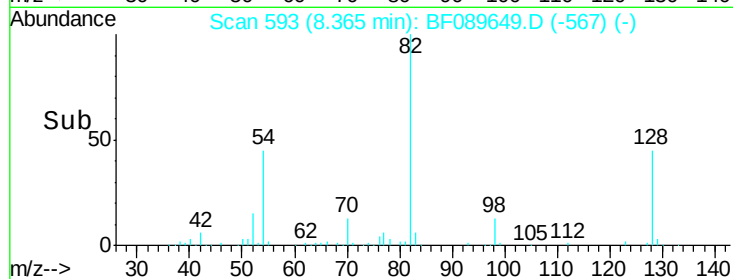
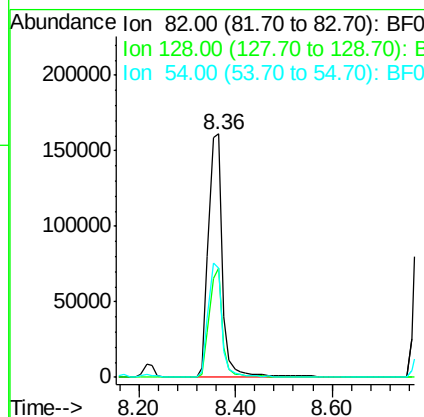
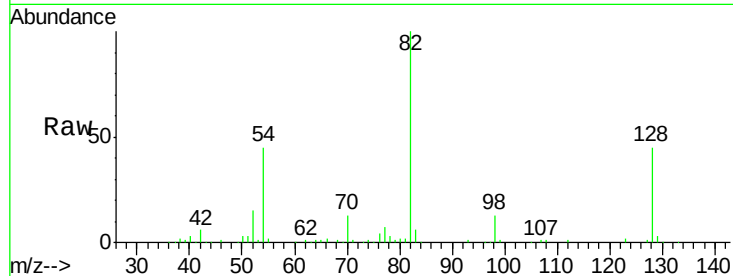
#23
Nitrobenzene-d5
Concen: 108.55 ng
RT: 8.36 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	334671		
128	45.1	35.4	53.0	
54	45.1	36.4	54.6	

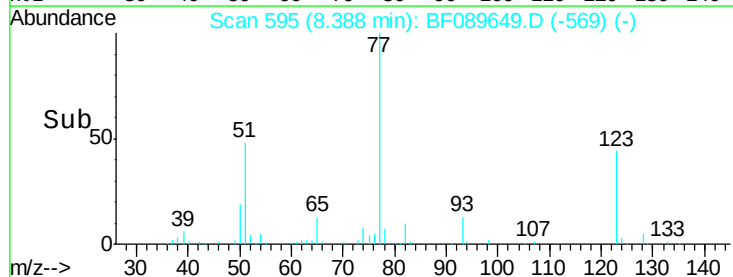
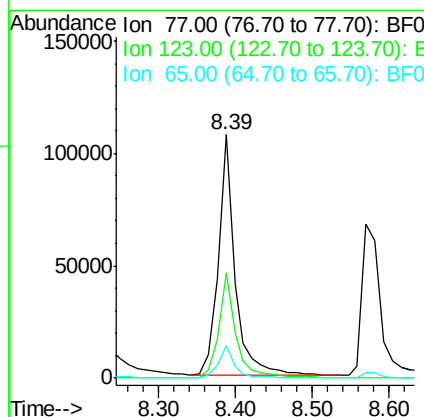
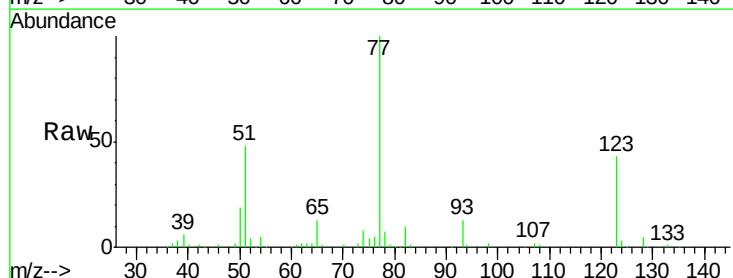
Manual Integrations
APPROVED

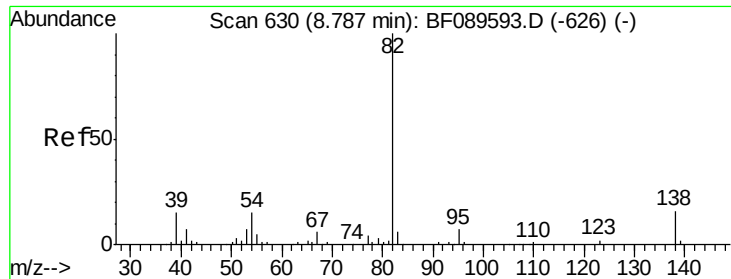
umangi
8/8/2016 9:20:31 AM



#24
Nitrobenzene
Concen: 55.41 ng
RT: 8.39 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	162266		
123	43.4	32.6	49.0	
65	13.2	11.0	16.6	





#25

Isophorone

Concen: 52.86 ng

RT: 8.79 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	82	Resp:	312023
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.8	8.8
138	16.8	12.6	18.8

Instrument :

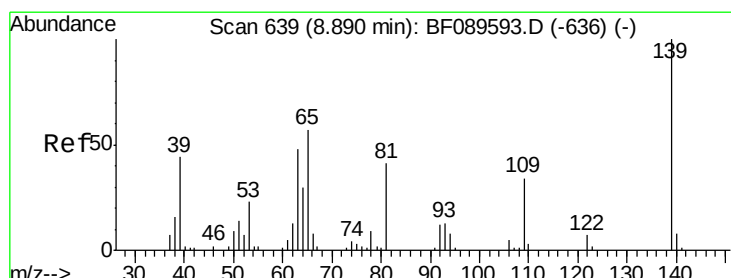
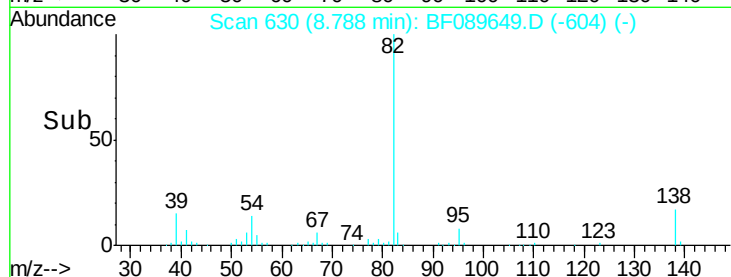
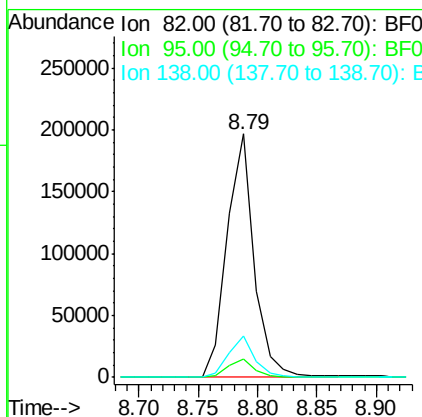
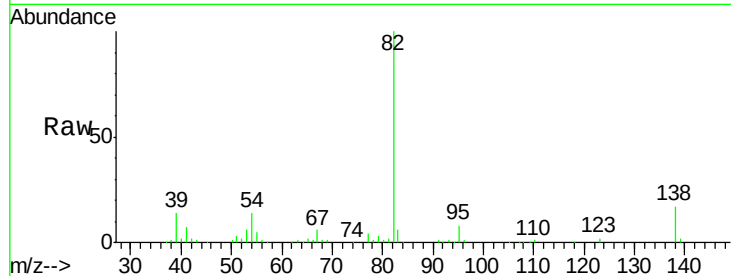
BNA_F

ClientSampleId :

WASTE-GAC-VPMS

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#26

2-Nitrophenol

Concen: 53.92 ng

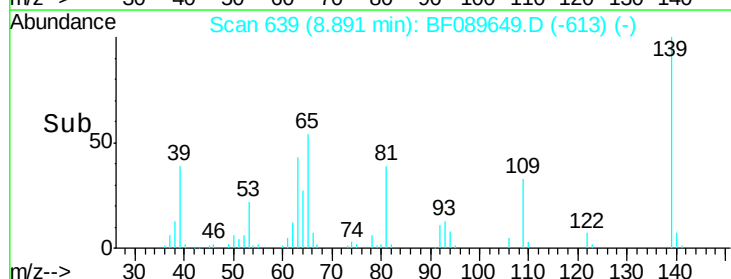
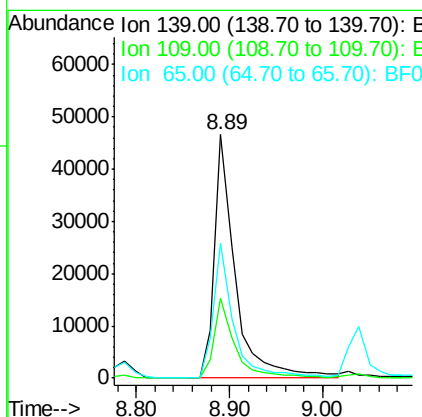
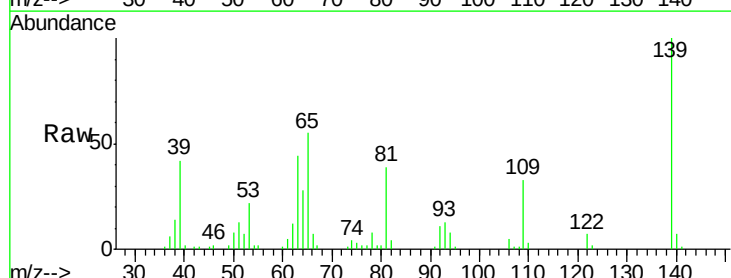
RT: 8.89 min Scan# 639

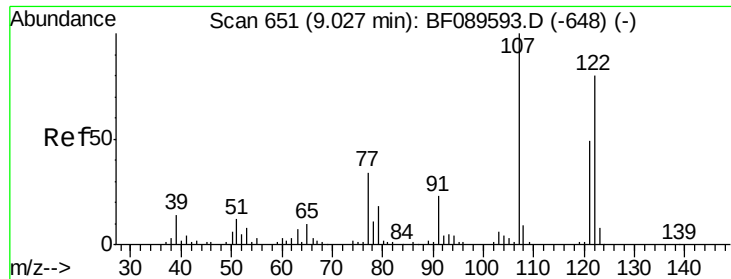
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	139	Resp:	72459
Ion Ratio	Lower	Upper	
139	100		
109	32.9	27.5	41.3
65	55.5	45.7	68.5





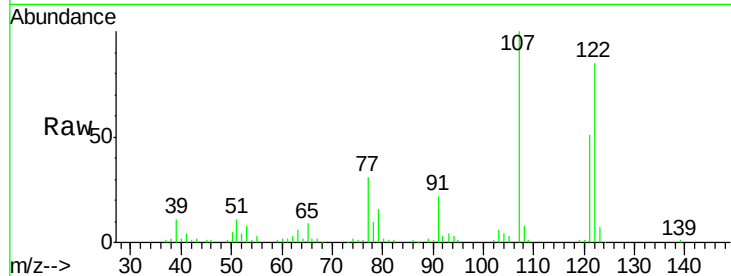
#27
 2,4-Dimethylphenol
 Concen: 55.48 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

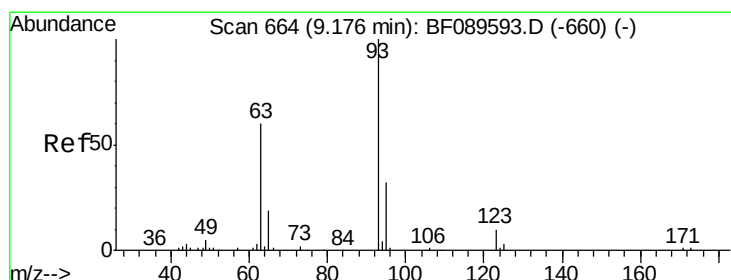
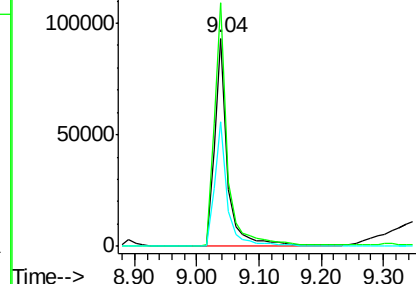
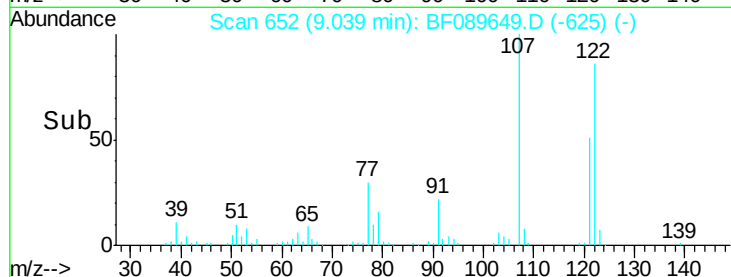
Tgt Ion	Ratio	Resp	Lower	Upper
122	100	134047		
107	117.0	99.5	149.3	
121	60.0	48.5	72.7	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

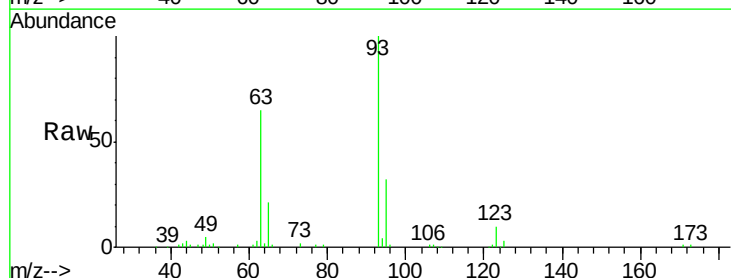


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

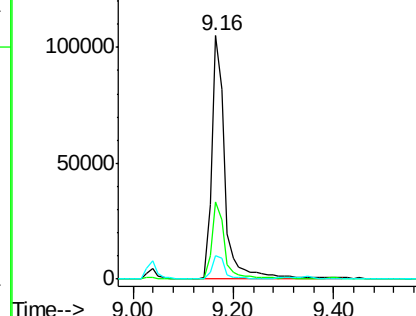
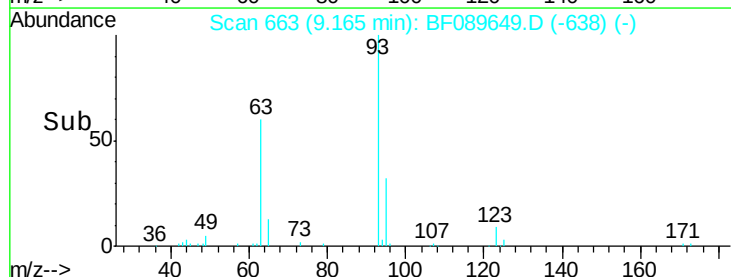


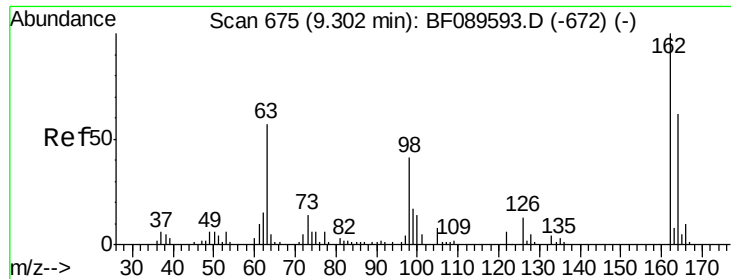
#28
 bis(2-Chloroethoxy)methane
 Concen: 53.67 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	191694		
95	31.7	25.8	38.8	
123	9.7	8.0	12.0	



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E





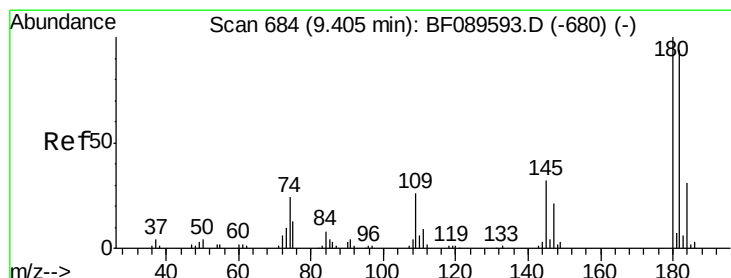
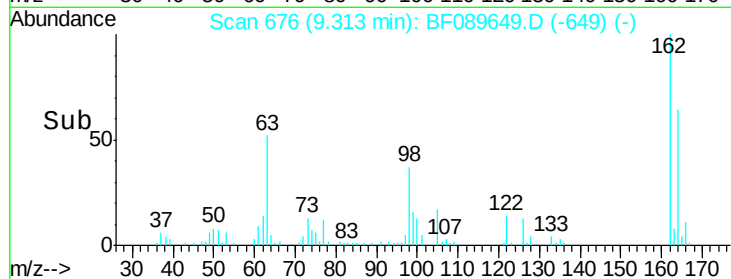
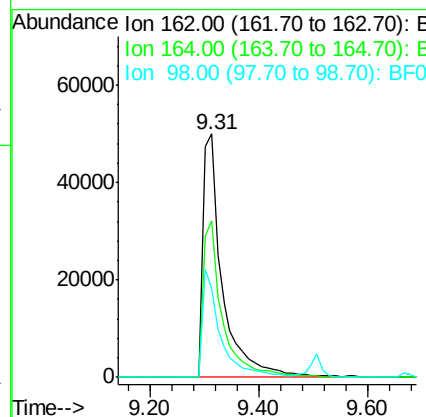
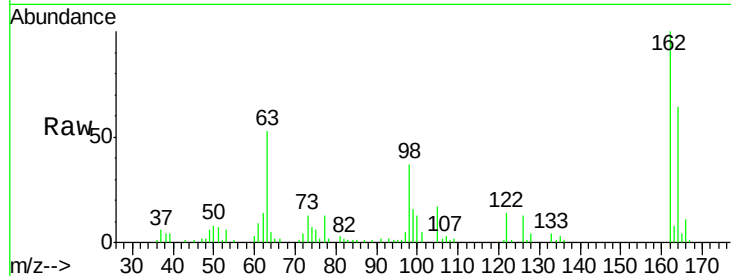
#29
 2,4-Dichlorophenol
 Concen: 53.42 ng
 RT: 9.31 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.1	42.3	82.3
98	36.6	21.2	61.2

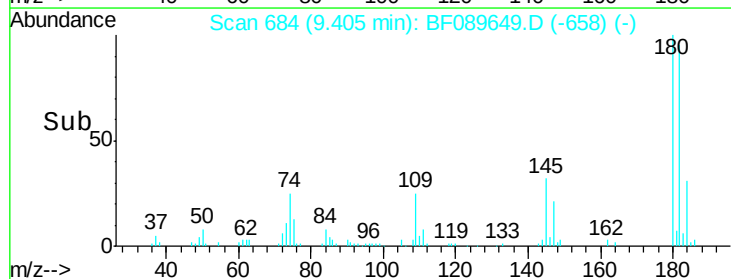
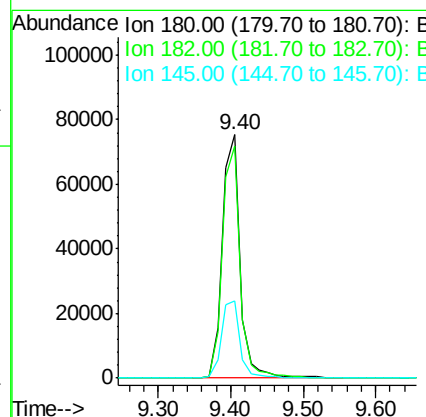
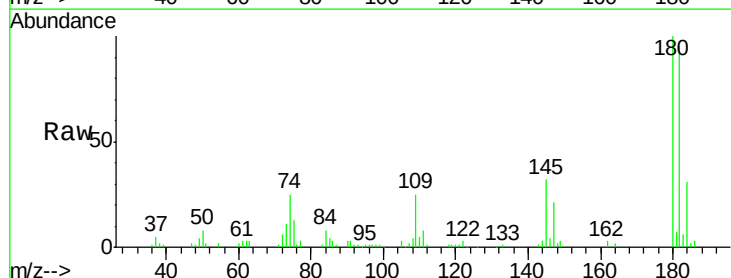
Manual Integrations
 APPROVED

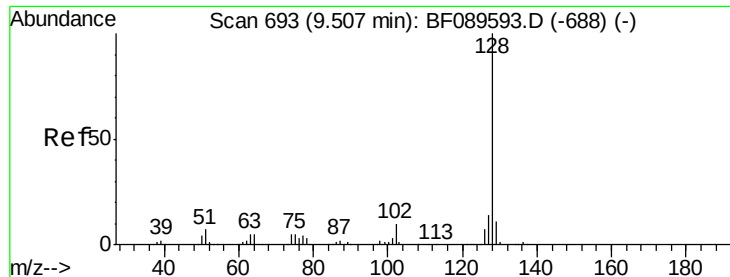
umangi
 8/8/2016 9:20:31 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 49.20 ng
 RT: 9.40 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.2	75.0	112.6
145	31.7	25.6	38.4





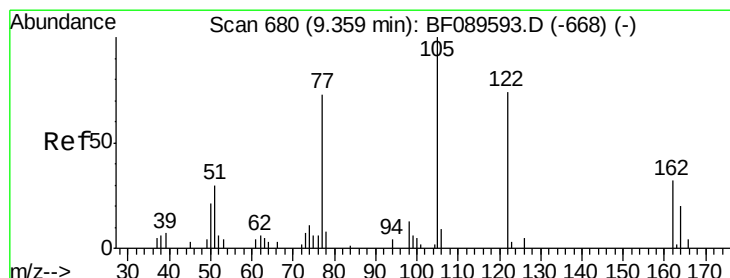
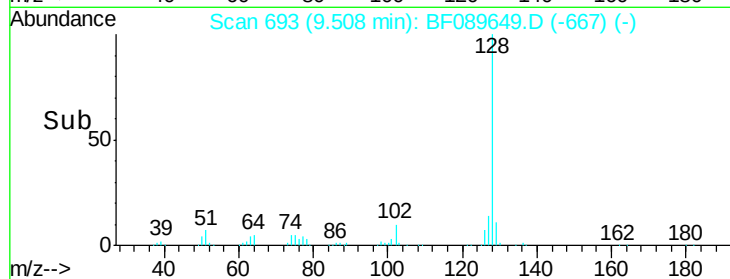
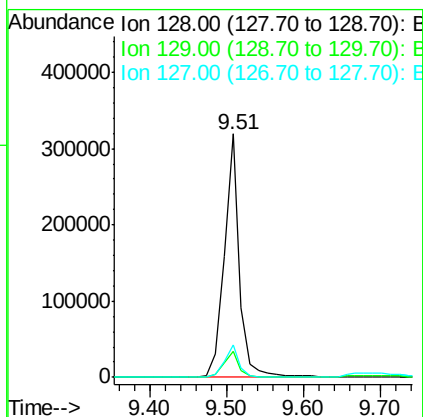
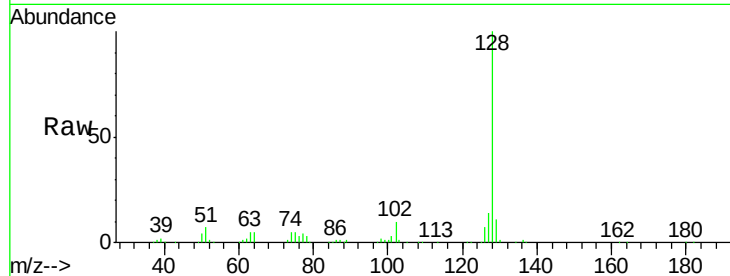
#31
Naphthalene
Concen: 48.94 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	443554		
129	10.8	8.7	13.1	
127	13.6	10.9	16.3	

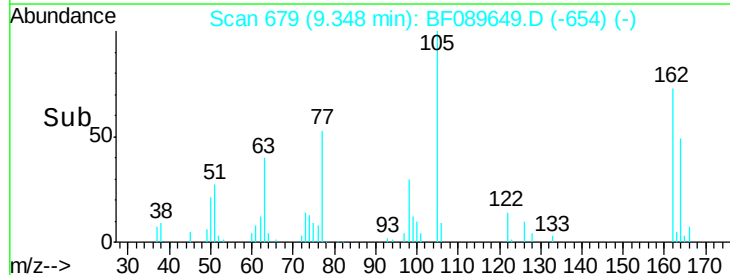
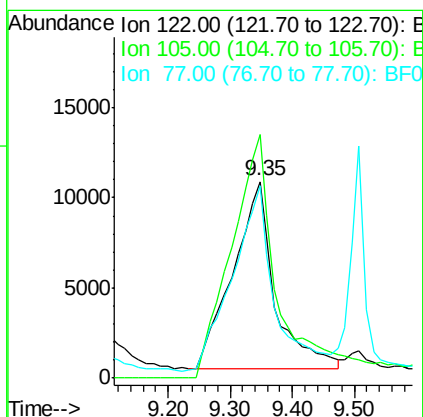
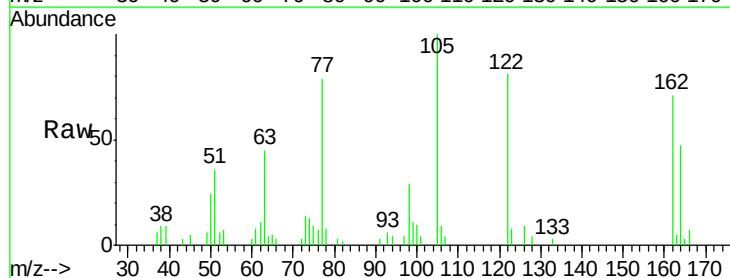
Manual Integrations
APPROVED

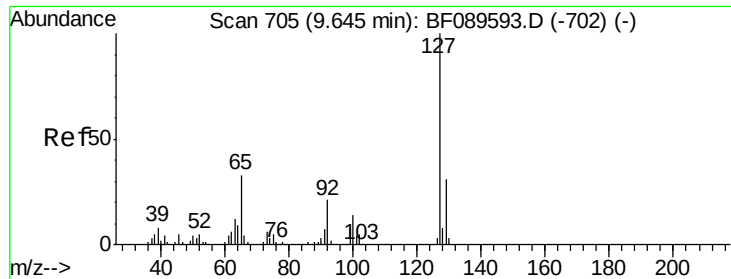
umangi
8/8/2016 9:20:31 AM



#32
Benzoic acid
Concen: 32.27 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	48981		
105	123.9	109.9	149.9	
77	97.9	77.5	117.5	





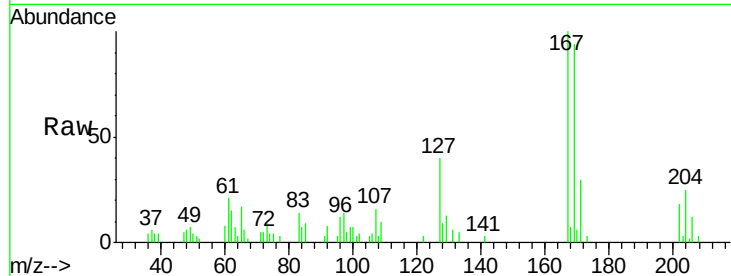
#33
 4-Chloroaniline
 Concen: 10.62 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.02 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

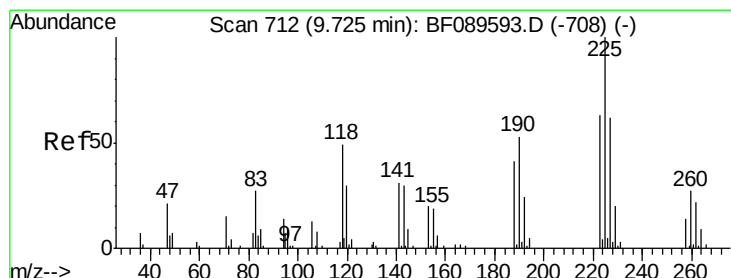
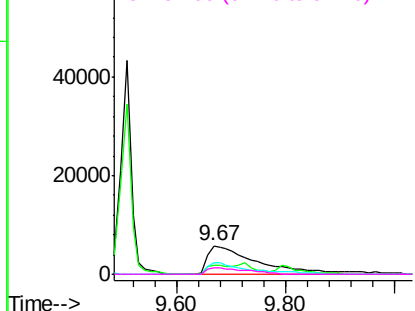
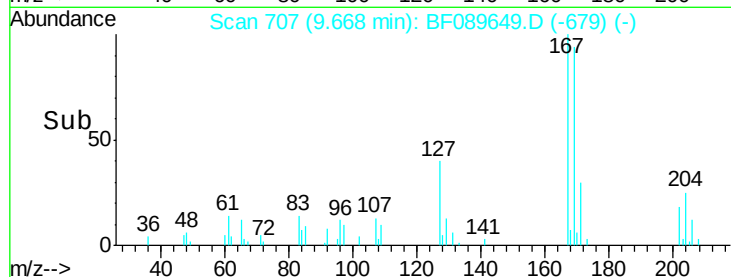
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	36159		
129	33.5	25.1	37.7	
65	41.9	26.2	39.2	
92	20.4	16.9	25.3	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

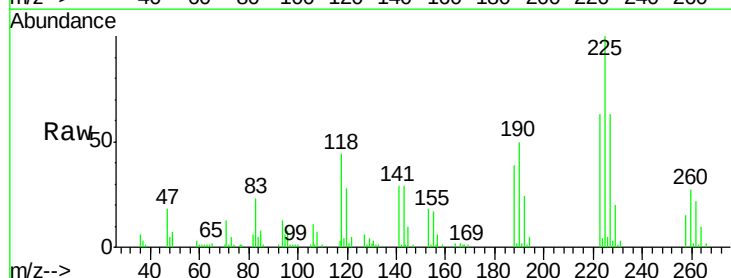


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

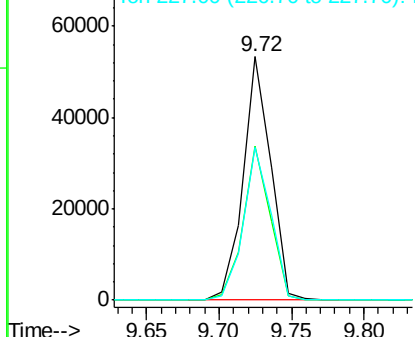
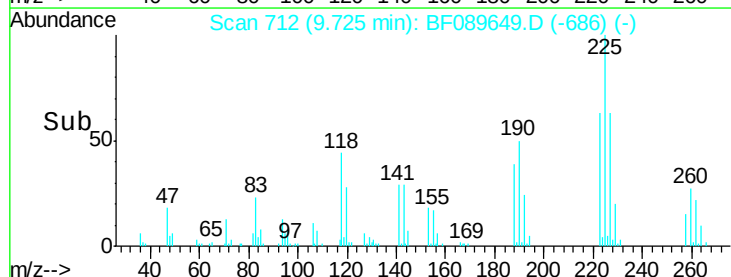


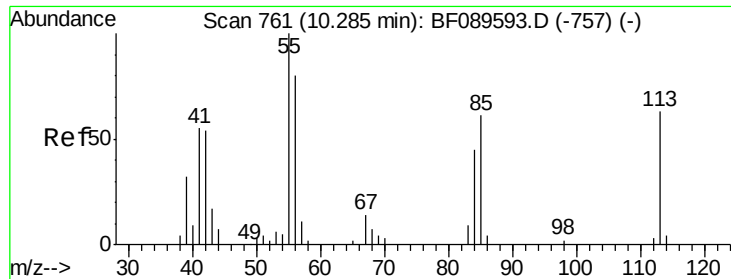
#34
 Hexachlorobutadiene
 Concen: 46.62 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70093		
223	63.2	50.7	76.1	
227	63.0	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





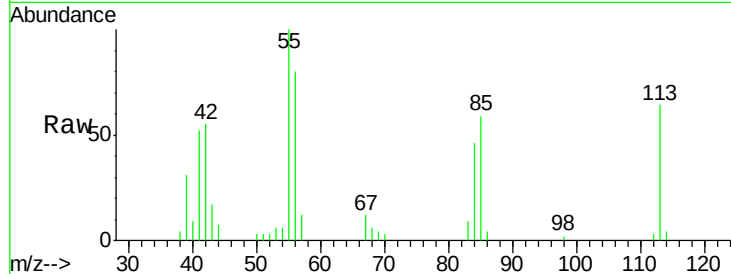
#35
 Caprolactam
 Concen: 45.66 ng m
 RT: 10.27 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

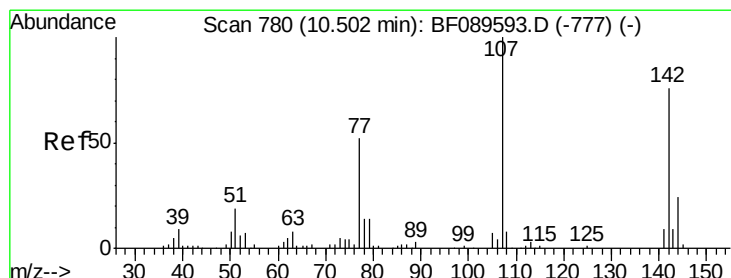
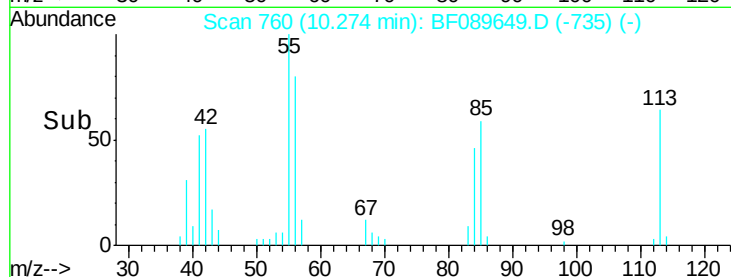
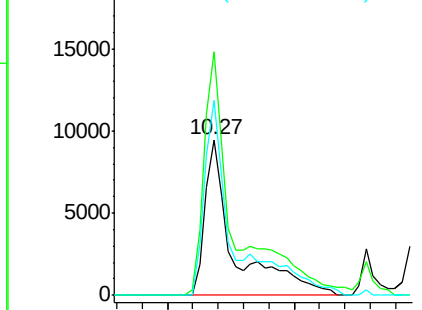
Tgt Ion:113 Resp: 30420
 Ion Ratio Lower Upper
 113 100
 55 156.2 139.6 179.6
 56 125.2 108.2 148.2

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

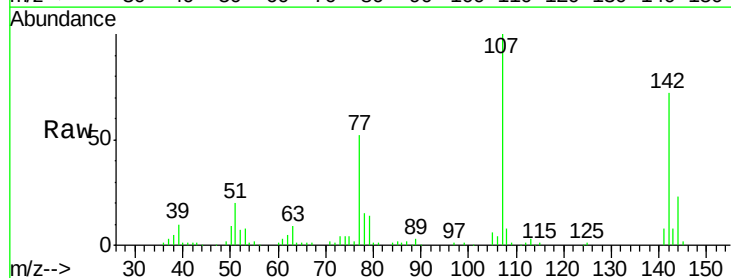


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

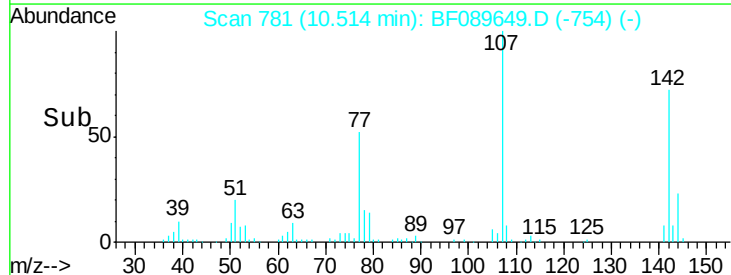
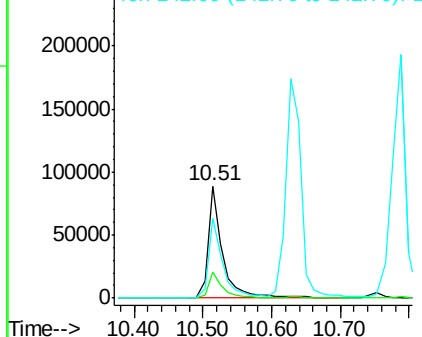


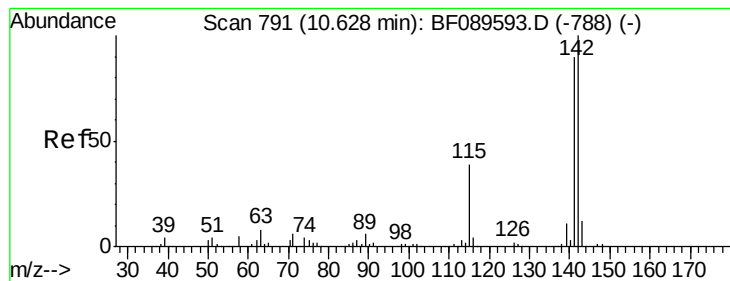
#36
 4-Chloro-3-methylphenol
 Concen: 49.28 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:107 Resp: 130949
 Ion Ratio Lower Upper
 107 100
 144 22.9 18.9 28.3
 142 71.7 60.4 90.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 49.15 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

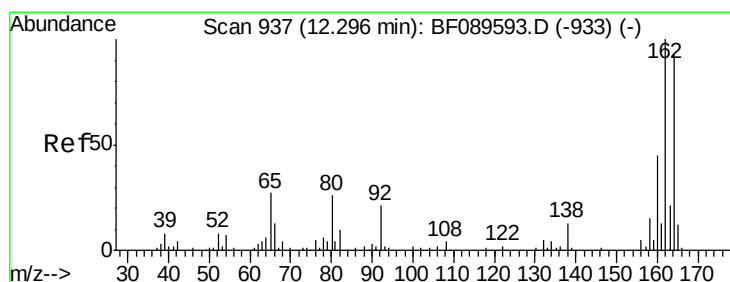
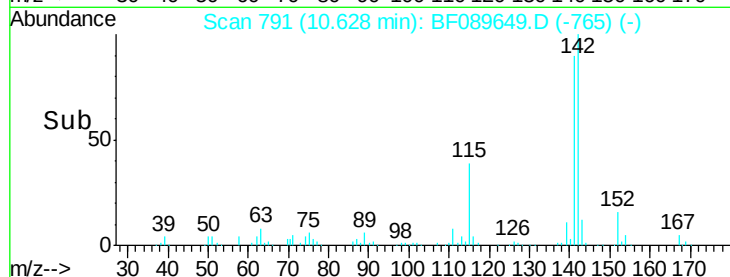
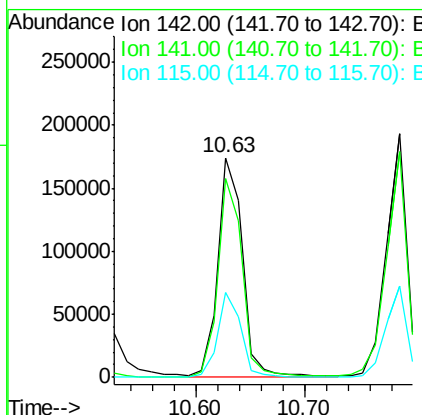
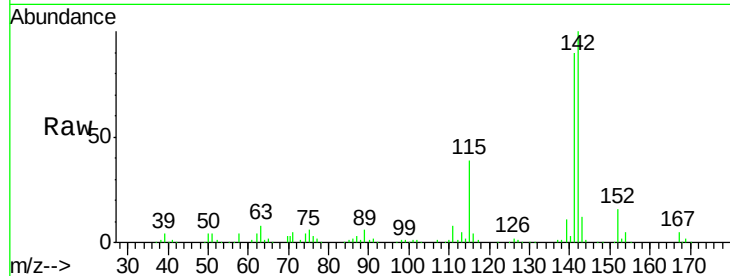
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	142	Resp:	273989
Ion Ratio	Lower	Upper	
142	100		
141	90.3	71.8	107.6
115	38.9	31.0	46.4

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#38

Acenaphthene-d10

Concen: 20.00 ng

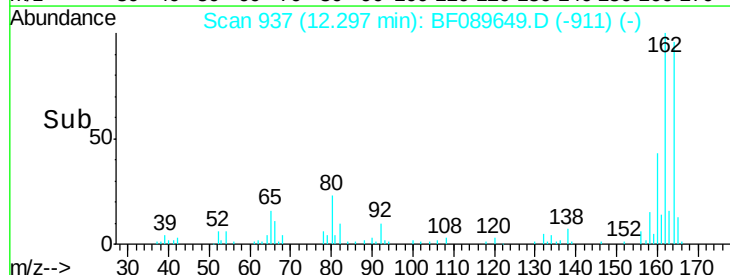
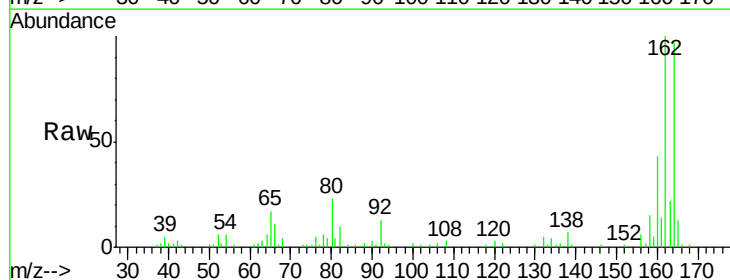
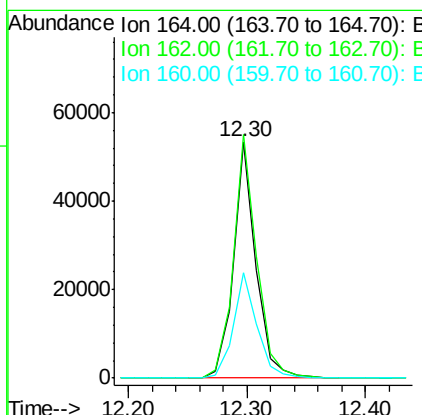
RT: 12.30 min Scan# 937

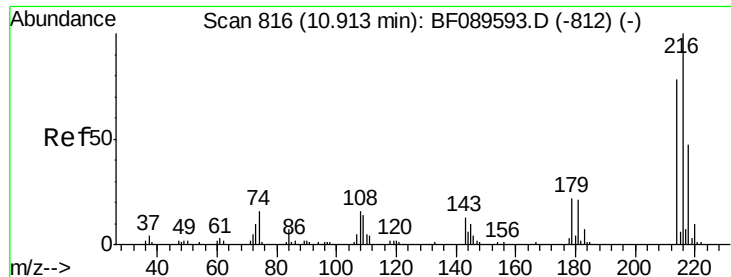
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	164	Resp:	69777
Ion Ratio	Lower	Upper	
164	100		
162	103.1	85.7	128.5
160	44.8	38.2	57.4





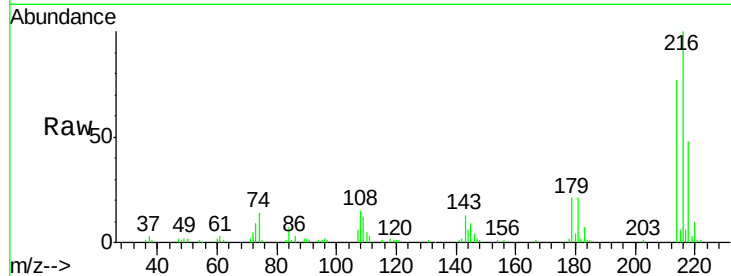
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.48 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

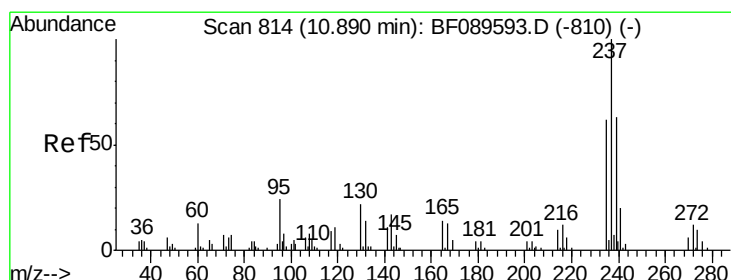
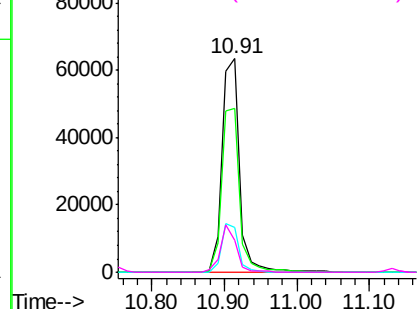
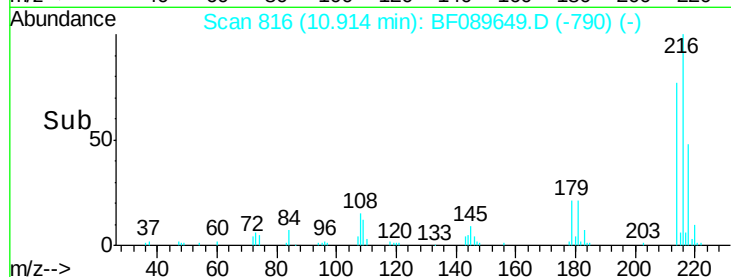
Tgt Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	78.1	62.6	94.0
179	21.7	17.8	26.8
108	19.8	16.3	24.5

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

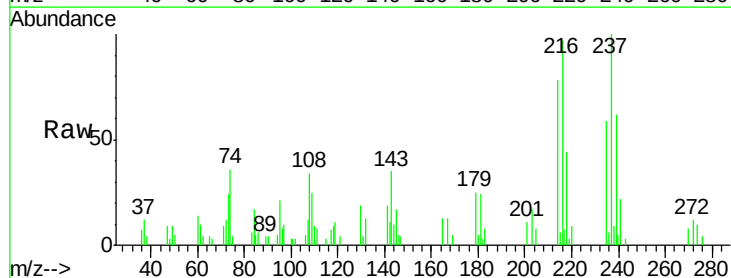


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

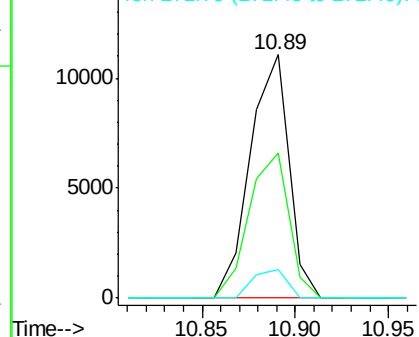
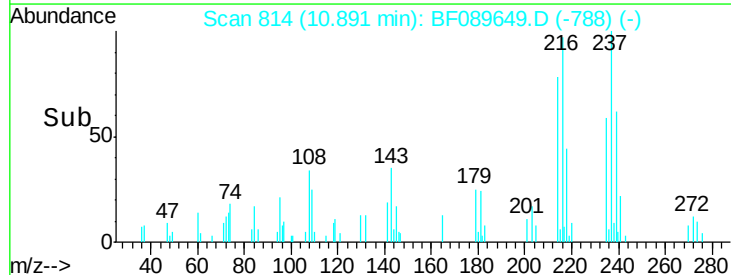


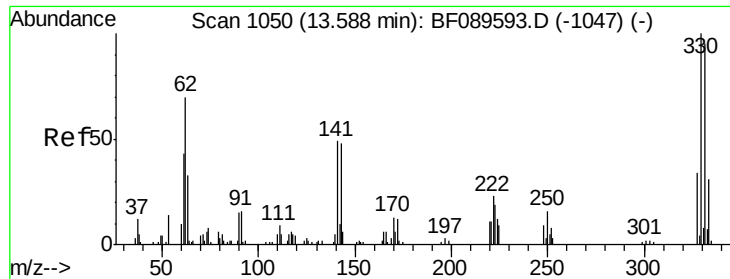
#40
 Hexachlorocyclopentadiene
 Concen: 24.61 ng
 RT: 10.89 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	59.5	41.9	81.9
272	11.7	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





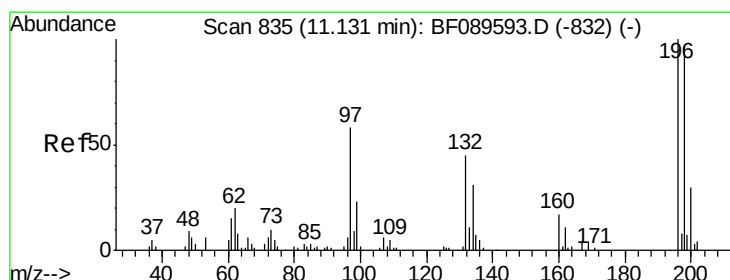
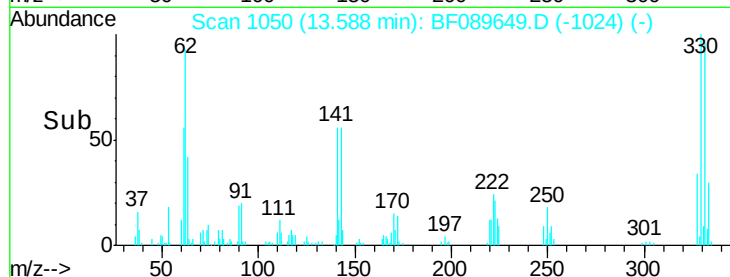
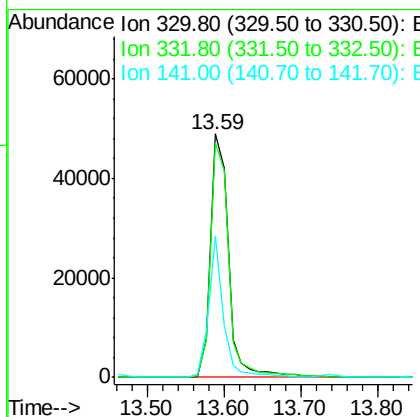
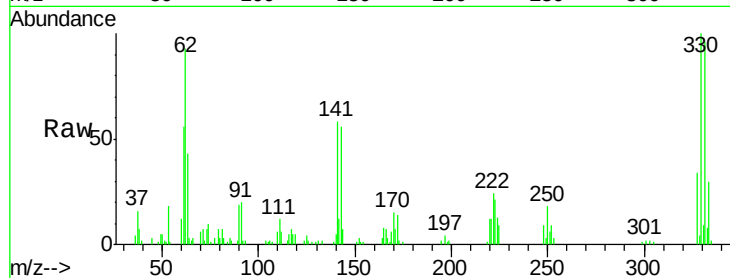
#41
 2,4,6-Tribromophenol
 Concen: 138.23 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	47.2	38.6	57.8

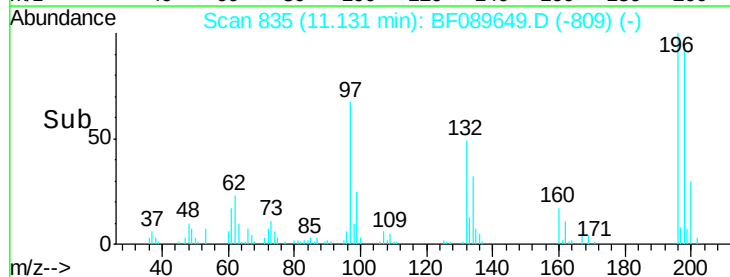
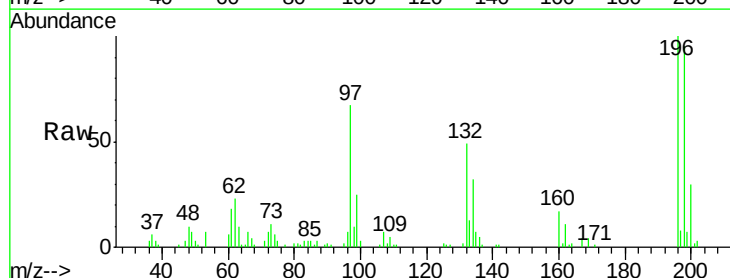
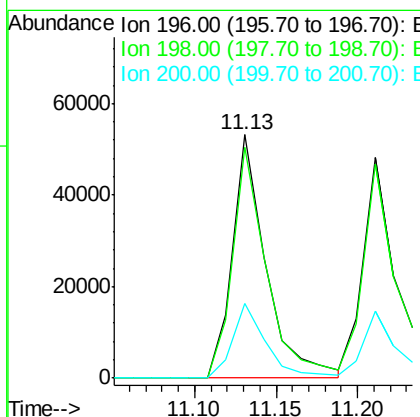
Manual Integrations
 APPROVED

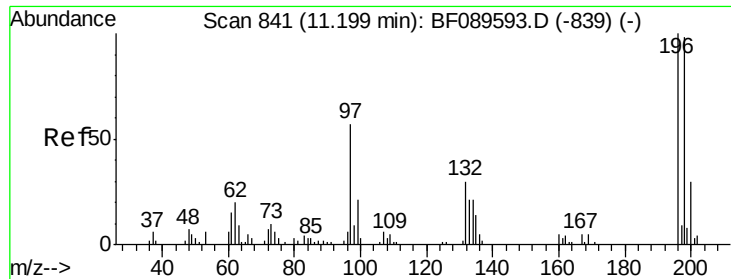
umangi
 8/8/2016 9:20:31 AM



#42
 2,4,6-Trichlorophenol
 Concen: 58.62 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.6	116.4
200	30.5	23.8	35.8





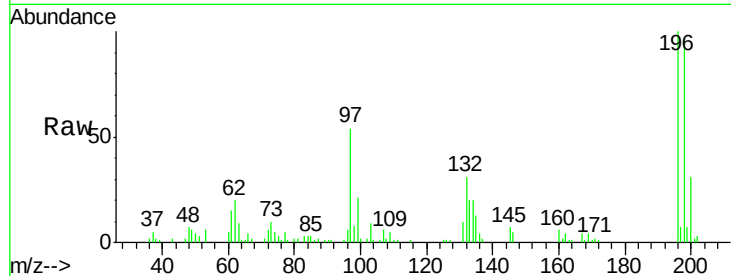
#43
 2,4,5-Trichlorophenol
 Concen: 58.29 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	80582		
198	96.9	77.8	116.6	
97	54.4	45.8	68.6	
132	31.2	25.1	37.7	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM



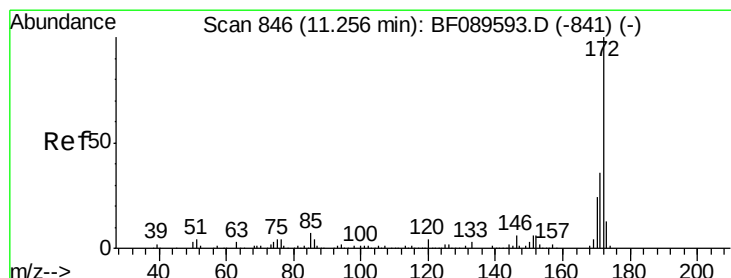
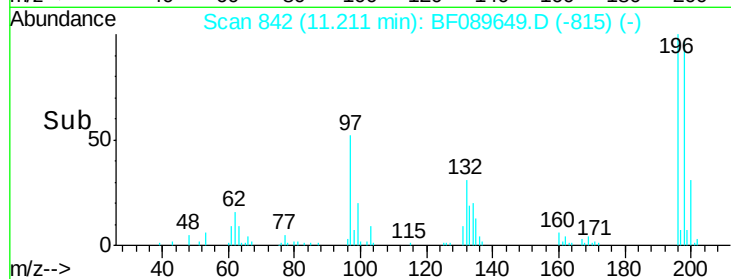
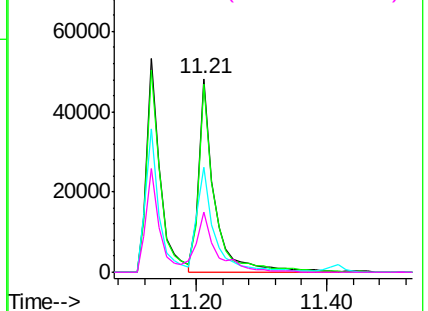
Abundance

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: 107.18 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

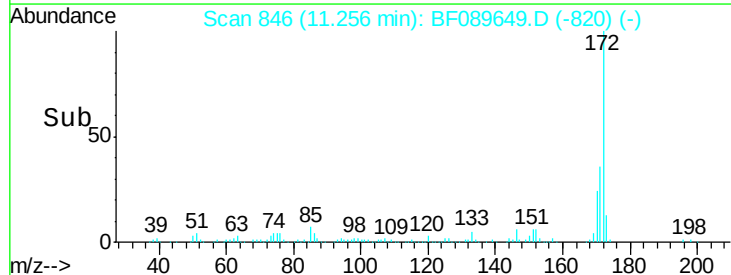
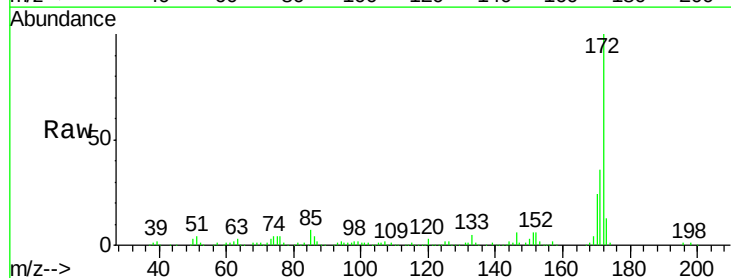
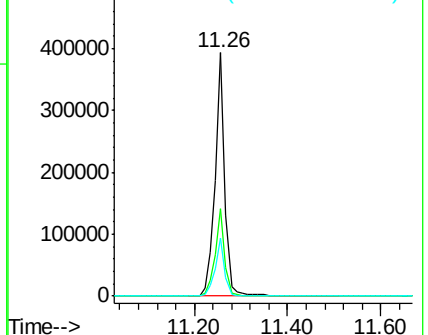
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	575446		
171	36.0	28.9	43.3	
170	23.6	19.0	28.6	

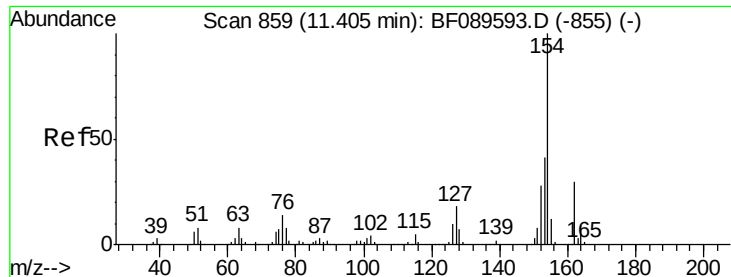
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 47.91 ng

RT: 11.41 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

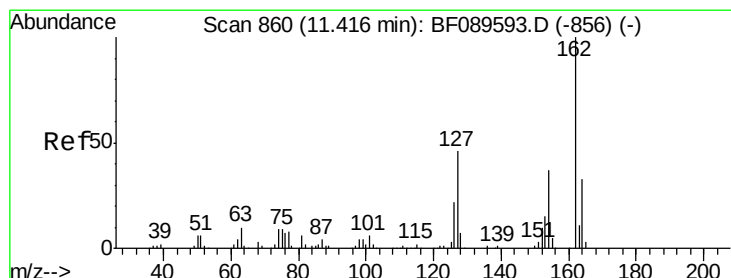
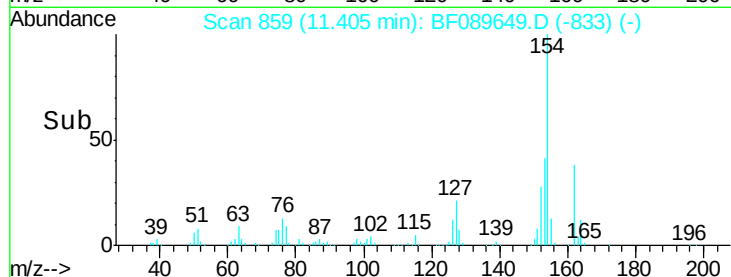
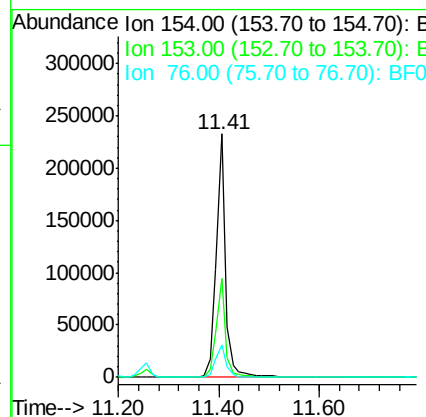
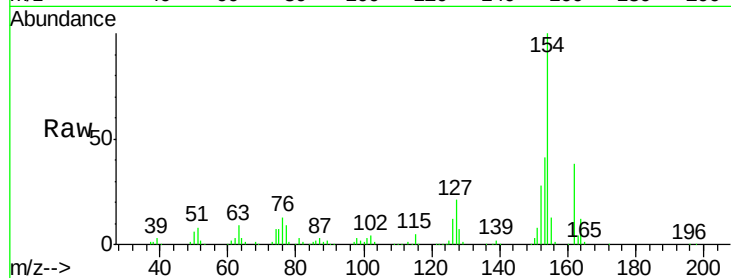
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	154	Resp:	301456
Ion Ratio	Lower	Upper	
154	100		
153	40.7	20.6	60.6
76	13.4	0.0	33.7

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#46

2-Chloronaphthalene

Concen: 52.80 ng

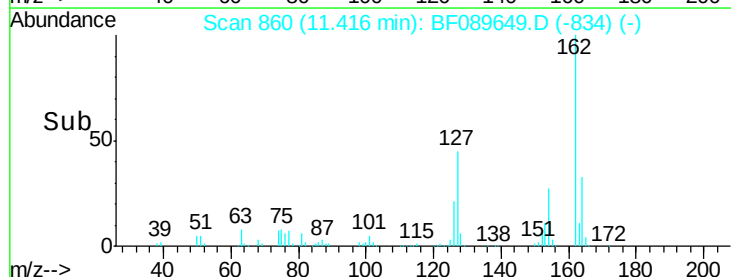
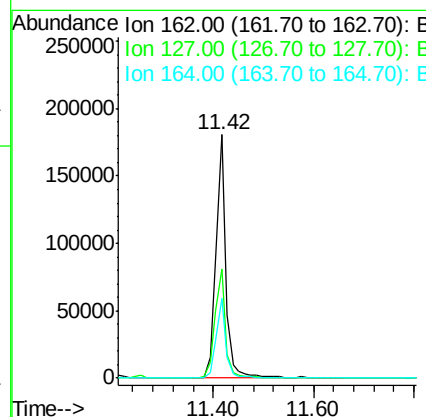
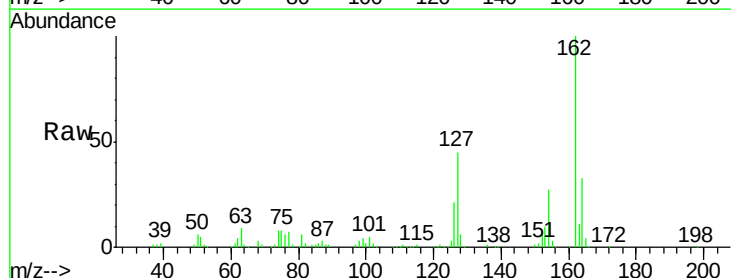
RT: 11.42 min Scan# 860

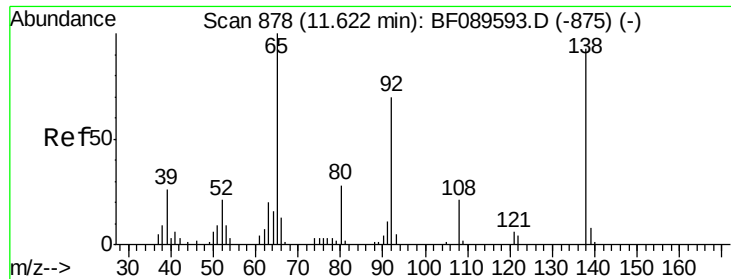
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	162	Resp:	249115
Ion Ratio	Lower	Upper	
162	100		
127	44.6	36.6	54.8
164	32.6	26.8	40.2





#47

2-Nitroaniline

Concen: 51.88 ng

RT: 11.62 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion: 65 Resp: 78898

Ion Ratio Lower Upper

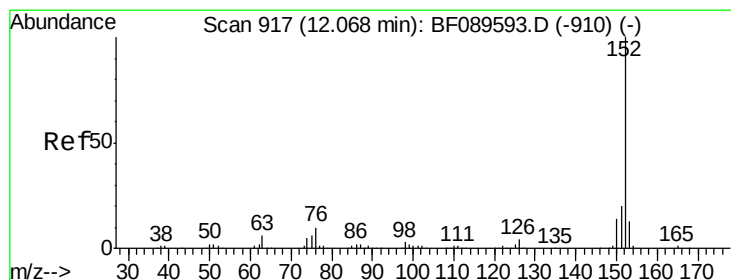
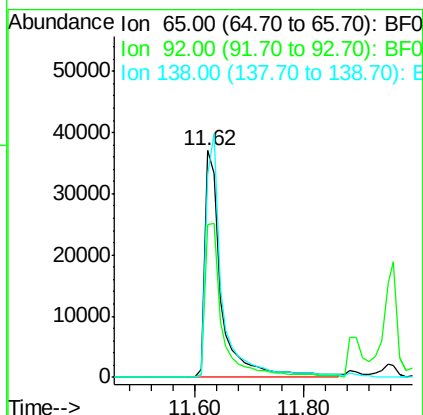
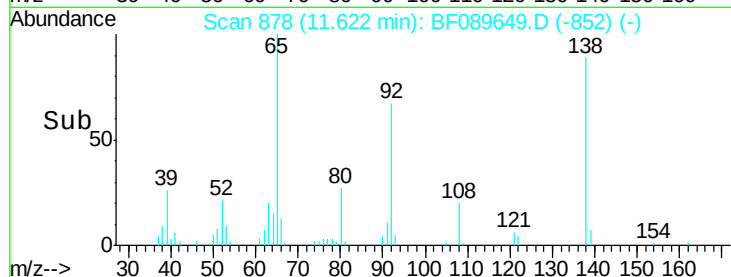
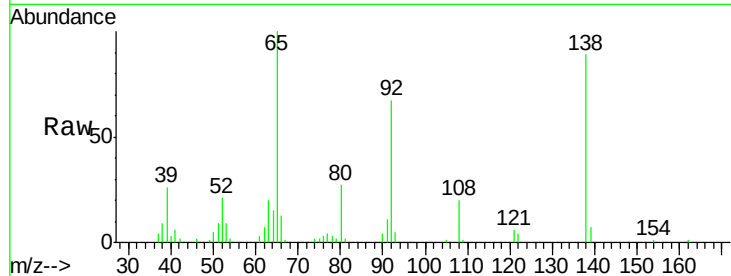
65 100

92 67.4 56.3 84.5

138 89.1 74.3 111.5

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#48

Acenaphthylene

Concen: 50.43 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

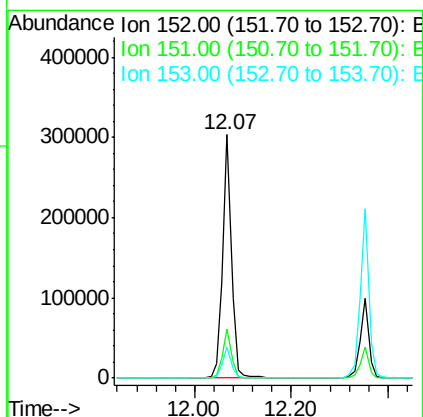
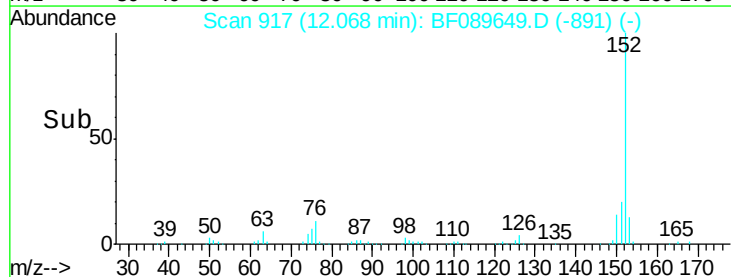
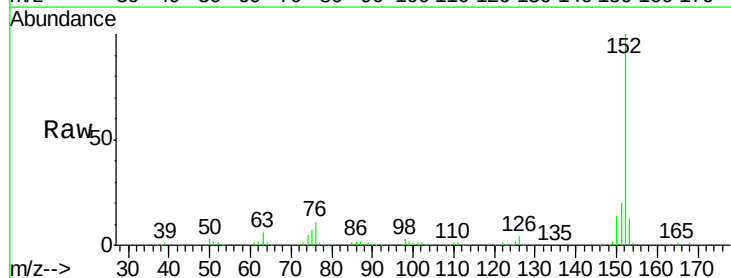
Tgt Ion: 152 Resp: 391910

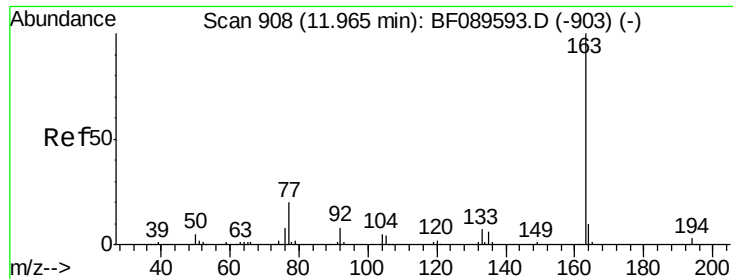
Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.0 10.5 15.7





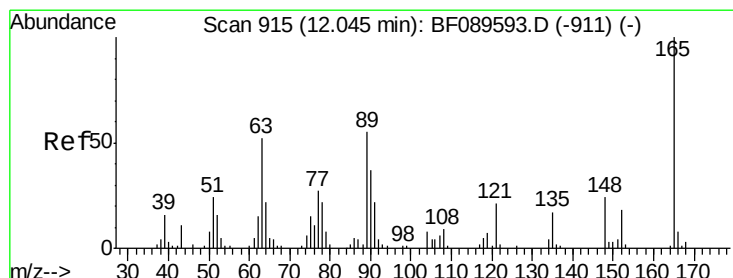
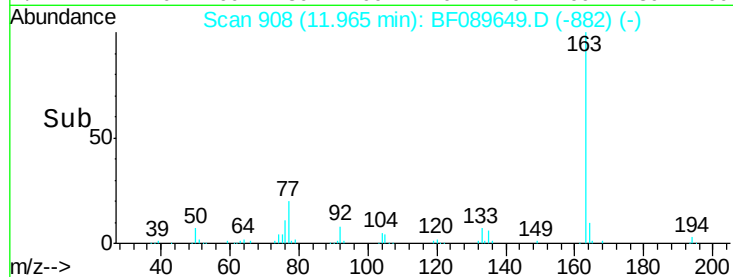
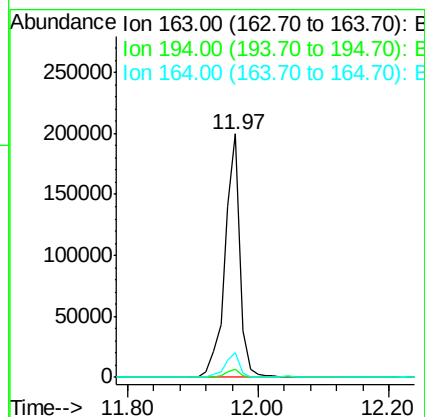
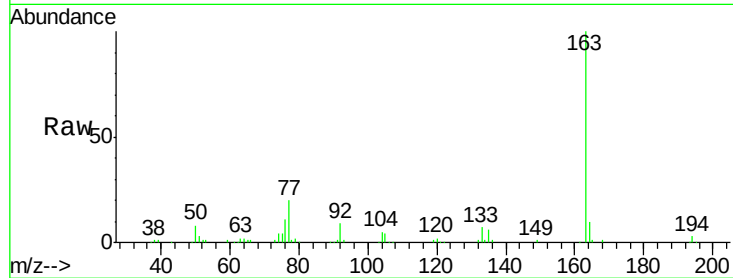
#49
Dimethylphthalate
Concen: 57.86 ng
RT: 11.97 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	316457		
194	3.3	2.7	4.1	
164	10.0	7.8	11.6	

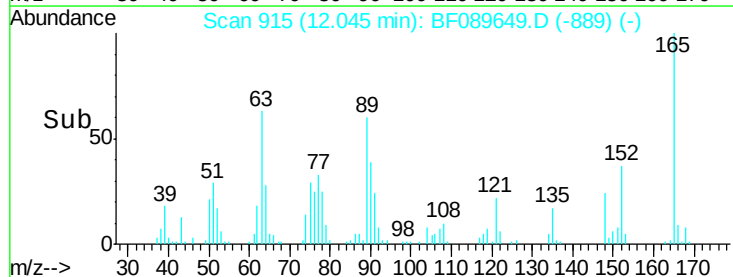
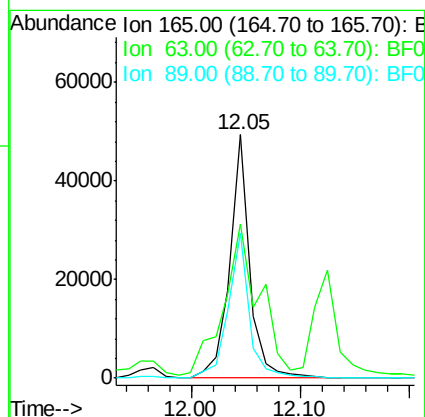
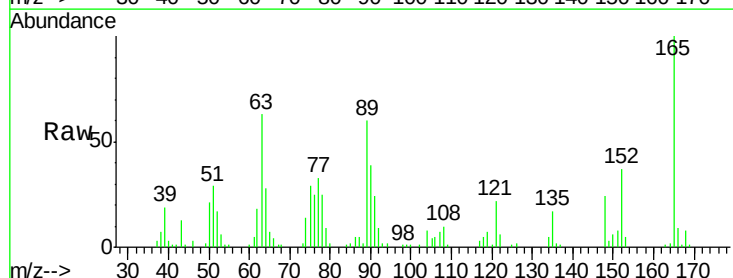
Manual Integrations
APPROVED

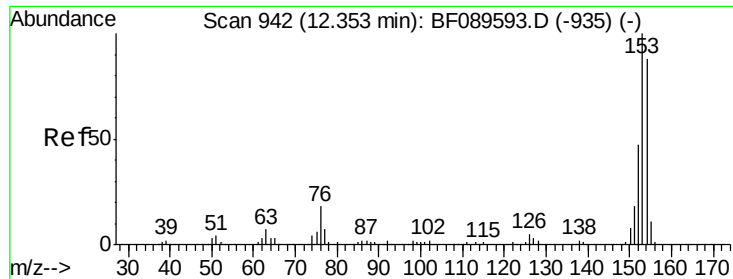
umangi
8/8/2016 9:20:31 AM



#50
2,6-Dinitrotoluene
Concen: 57.91 ng
RT: 12.05 min Scan# 915
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	62970		
63	63.4	44.6	67.0	
89	59.7	44.2	66.2	





#51

Acenaphthene

Concen: 51.20 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

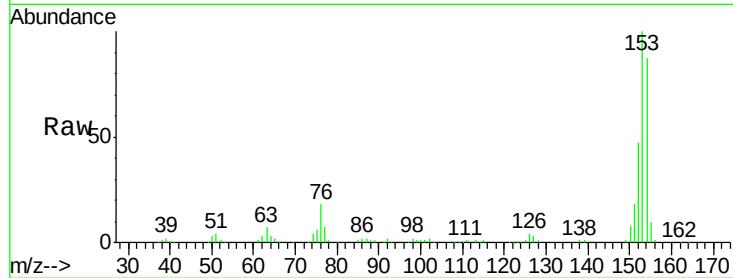
ClientSampleId :

WASTE-GAC-VPMS

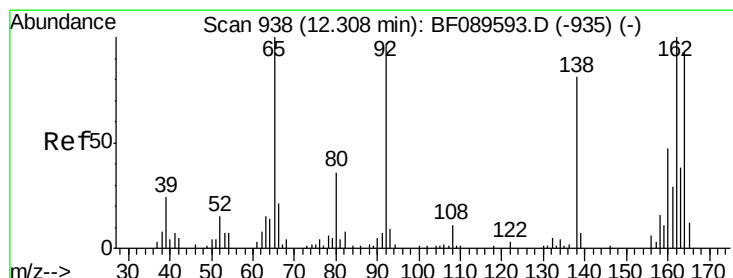
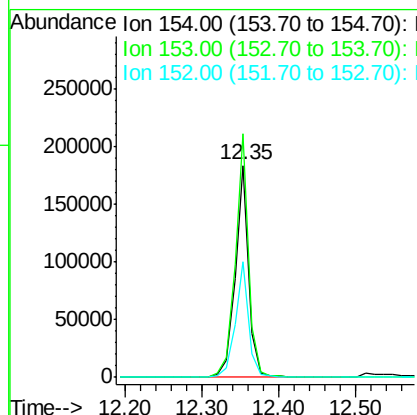
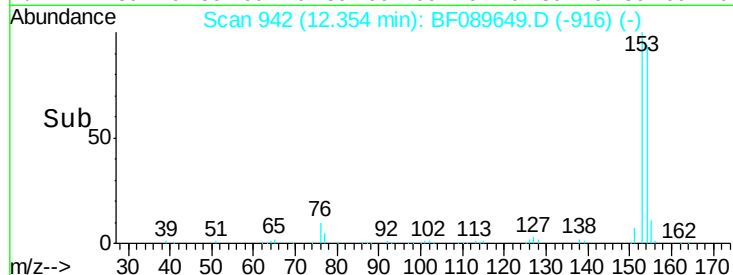
Tgt Ion:	154	Resp:	229840
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.1	136.7
152	54.5	43.5	65.3

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.68 ng

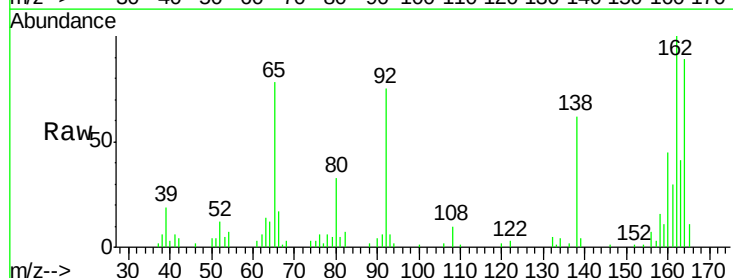
RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

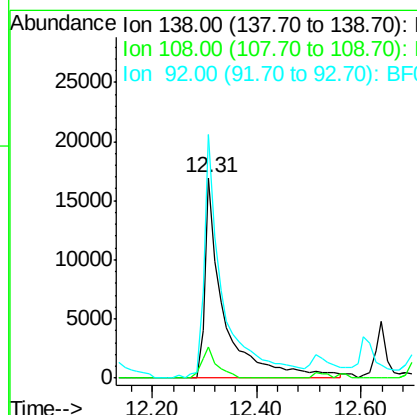
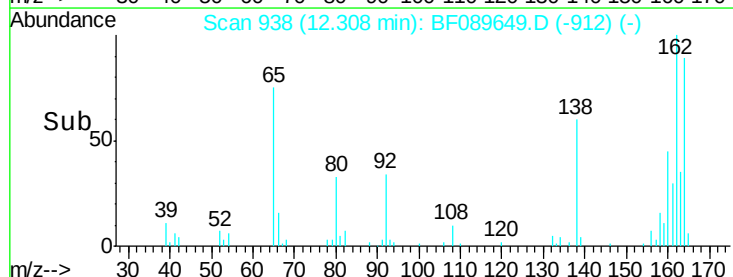
Lab File: BF089649.D

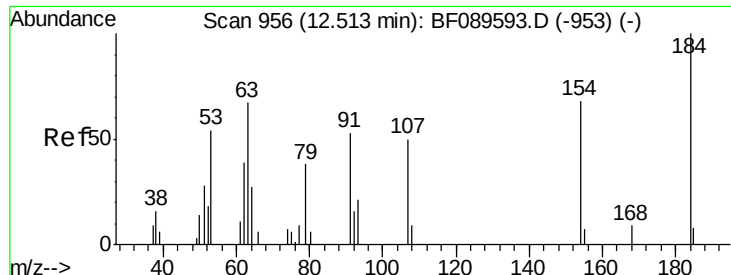
Acq: 6 Aug 2016 4:09

Tgt Ion:	138	Resp:	42509
Ion Ratio	Lower	Upper	
138	100		
108	15.6	10.7	16.1
92	121.4	96.6	145.0



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





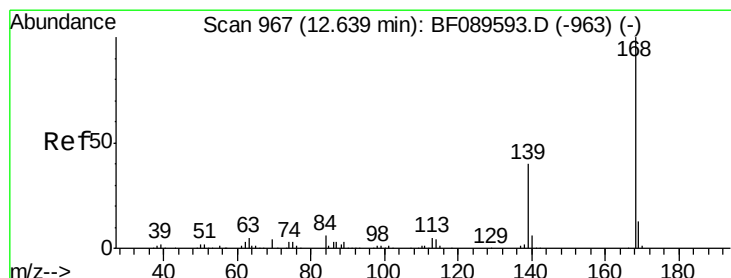
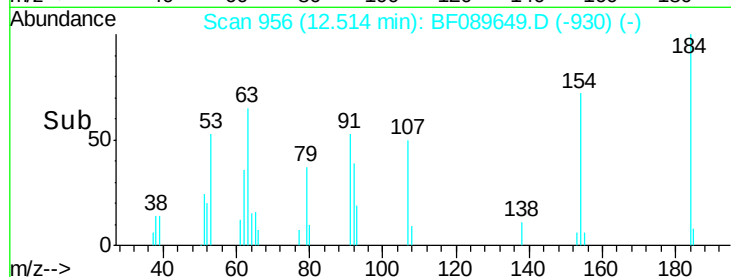
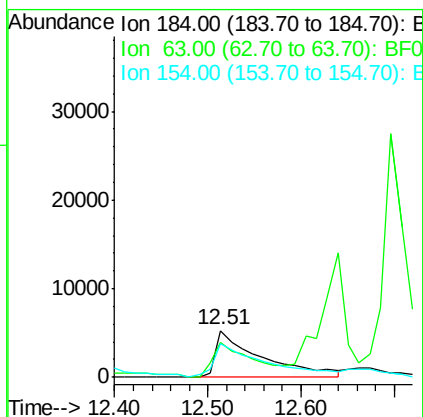
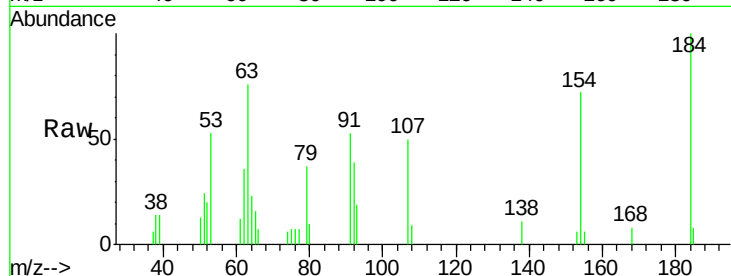
#53
2,4-Dinitrophenol
Concen: 46.03 ng
RT: 12.51 min Scan# 956
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	17915		
63	76.0	59.0	88.6	
154	72.4	60.0	90.0	

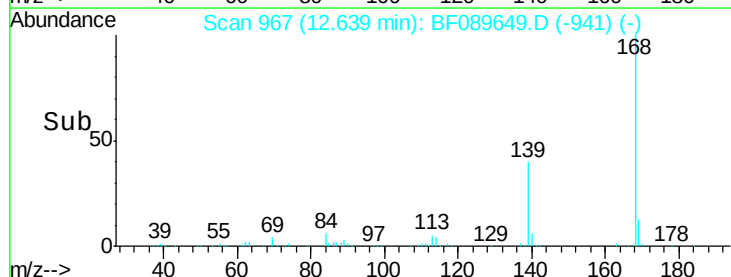
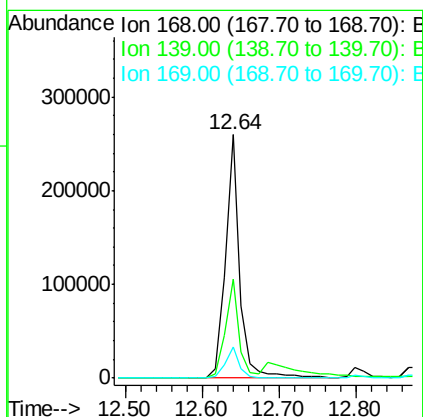
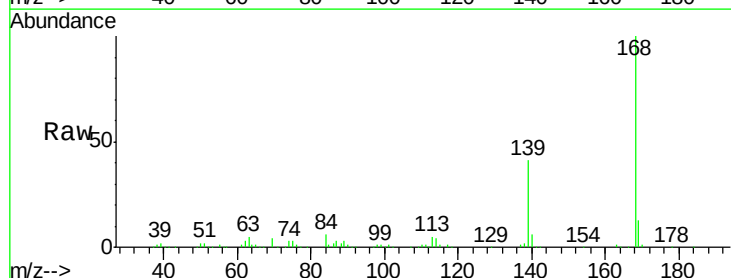
Manual Integrations
APPROVED

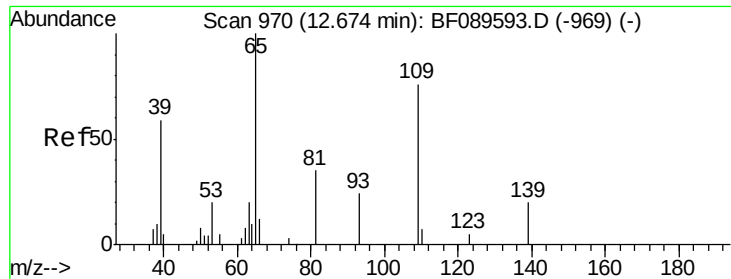
umangi
8/8/2016 9:20:31 AM



#54
Dibenzofuran
Concen: 55.66 ng
RT: 12.64 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	343502		
139	40.8	32.3	48.5	
169	12.8	10.6	15.8	





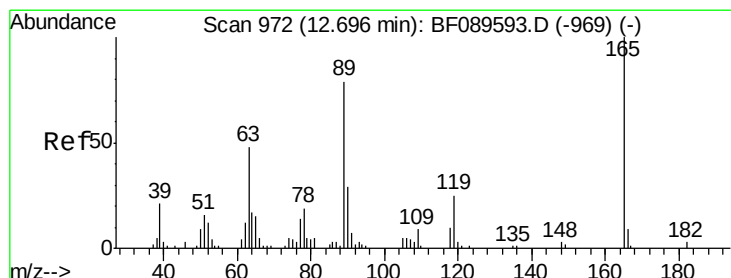
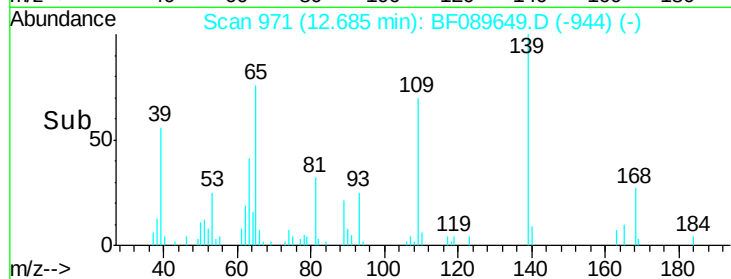
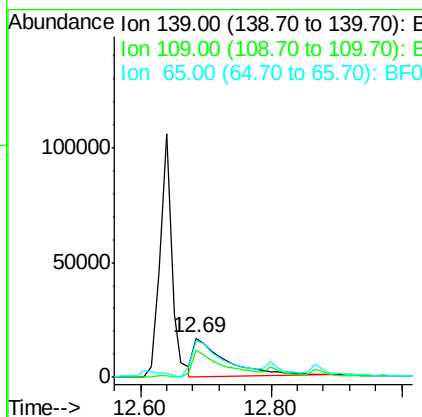
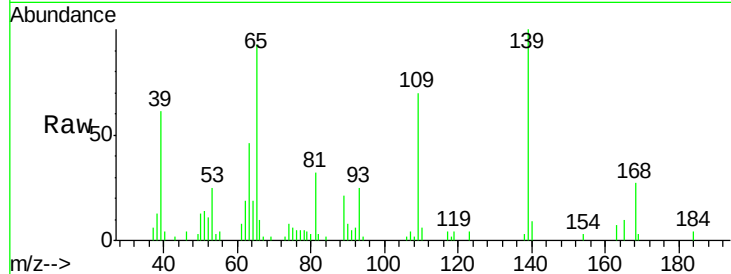
#55
4-Nitrophenol
Concen: 88.76 ng
RT: 12.69 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	57062		
109	70.1	28.9	68.9#	
65	92.6	49.2	89.2#	

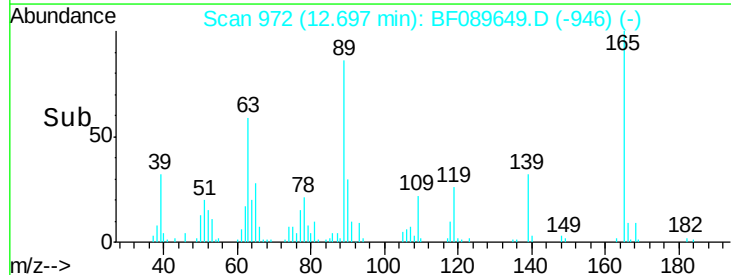
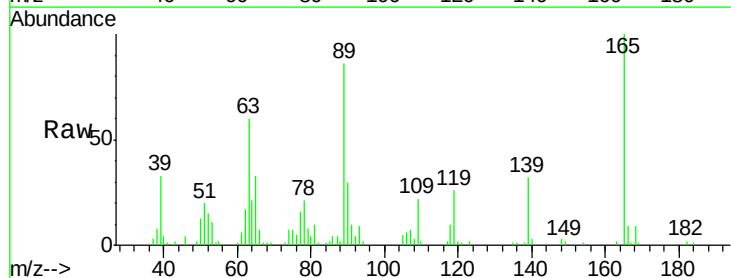
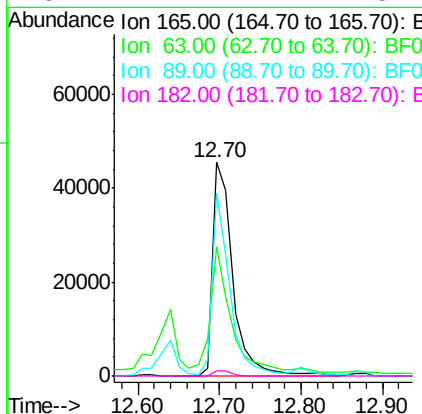
Manual Integrations
APPROVED

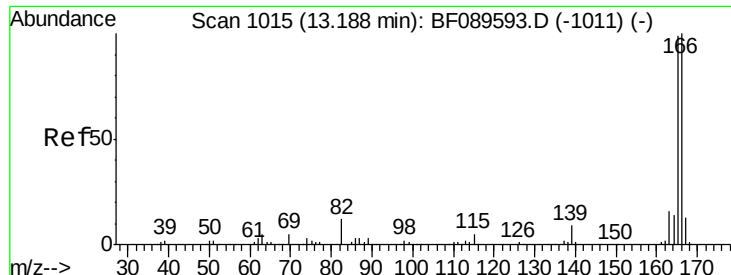
umangi
8/8/2016 9:20:31 AM



#56
2,4-Dinitrotoluene
Concen: 51.78 ng
RT: 12.70 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	79191		
63	60.3	42.2	63.4	
89	85.9	64.4	96.6	
182	2.4	2.1	3.1	





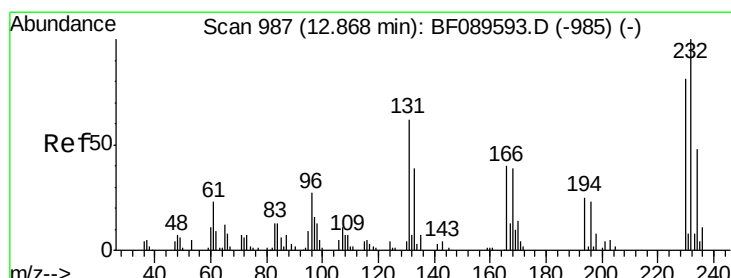
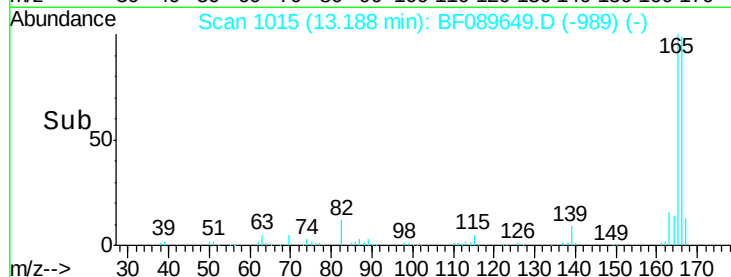
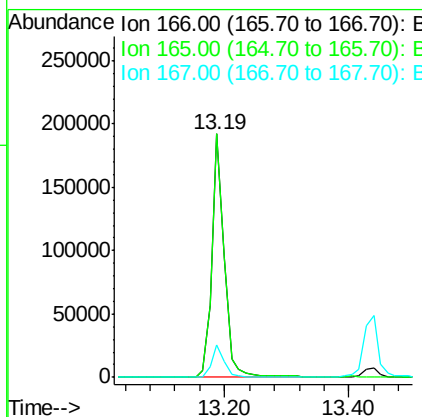
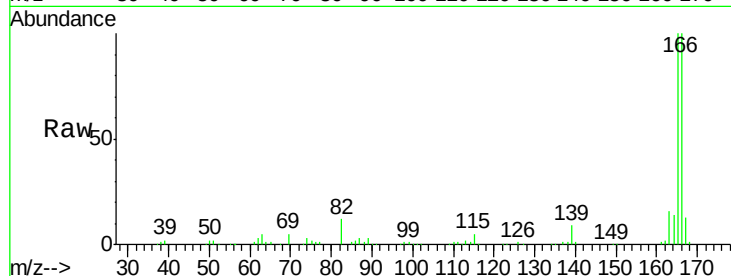
#57
 Fluorene
 Concen: 50.24 ng
 RT: 13.19 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	264986		
165	99.8	78.9	118.3	
167	13.1	10.4	15.6	

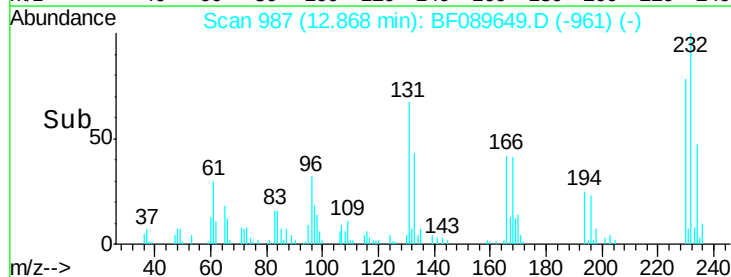
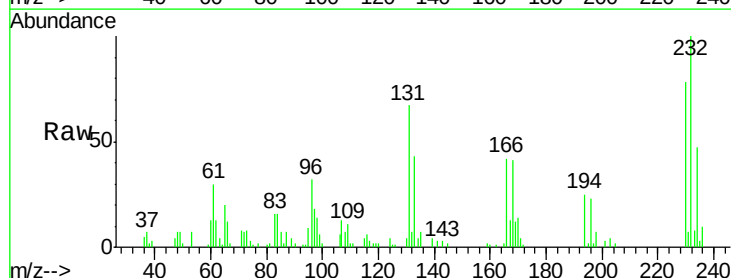
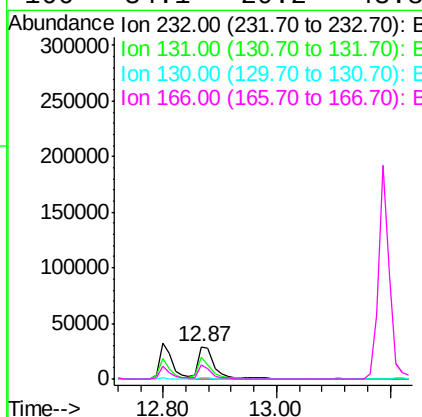
Manual Integrations
 APPROVED

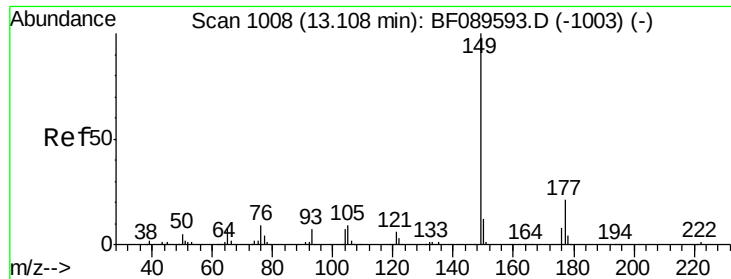
umangi
 8/8/2016 9:20:31 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 55.98 ng
 RT: 12.87 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	58755		
131	54.8	46.2	69.2	
130	2.1	1.7	2.5	
166	34.1	29.2	43.8	





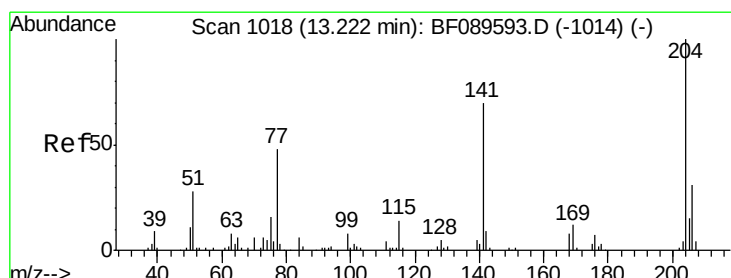
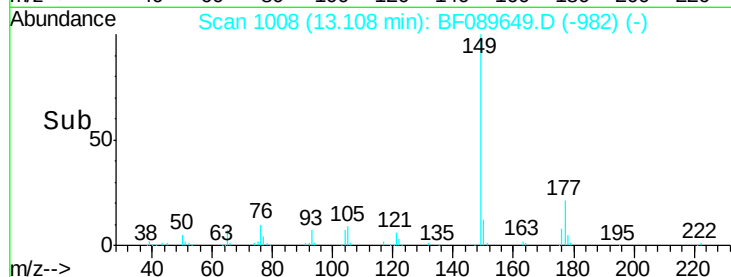
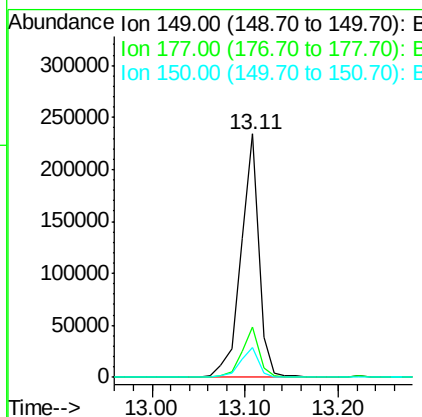
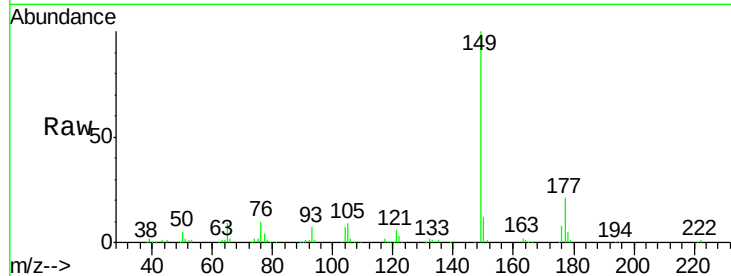
#59
Diethylphthalate
Concen: 55.35 ng
RT: 13.11 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.7	16.8	25.2
150	12.2	9.6	14.4

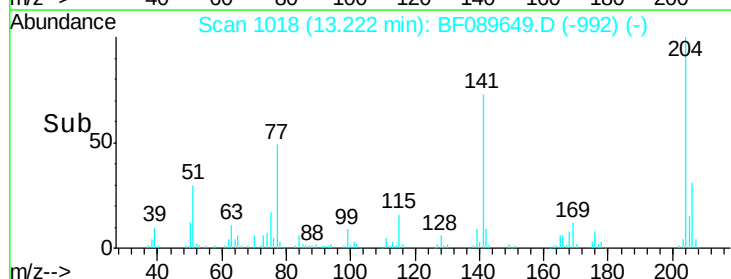
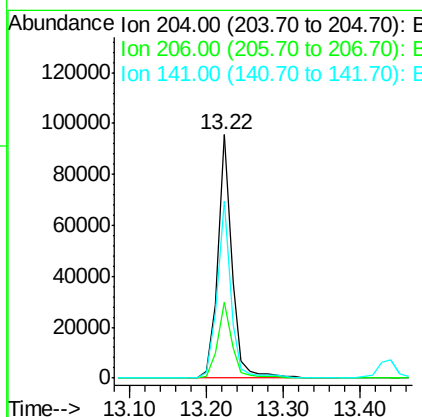
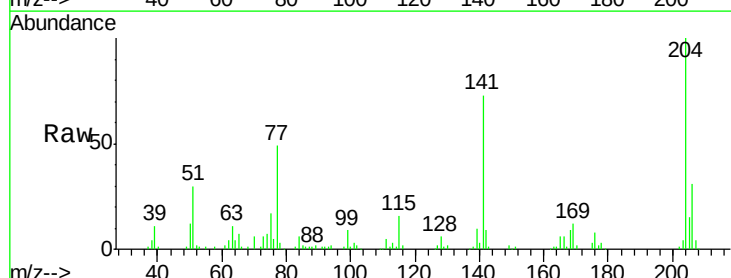
Manual Integrations
APPROVED

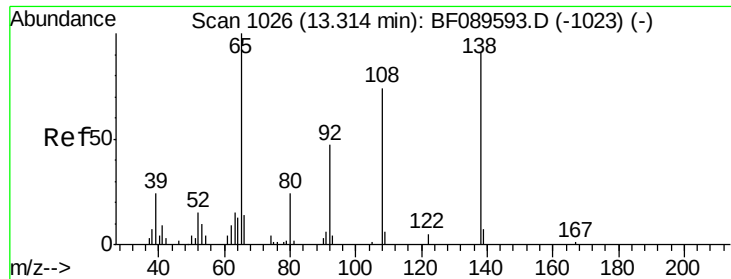
umangi
8/8/2016 9:20:31 AM



#60
4-Chlorophenyl-phenylether
Concen: 51.41 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.0	37.4
141	72.8	56.2	84.4





#61

4-Nitroaniline

Concen: 40.55 ng

RT: 13.31 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

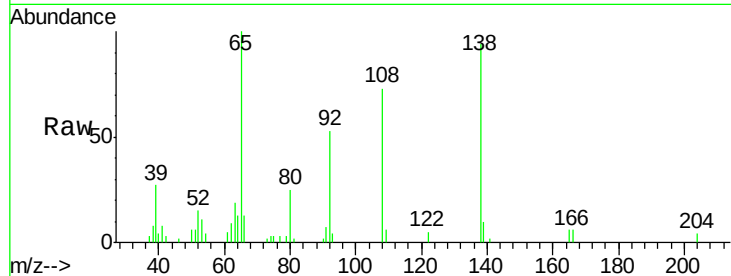
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.2	31.6	71.6
108	77.5	61.5	101.5

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM

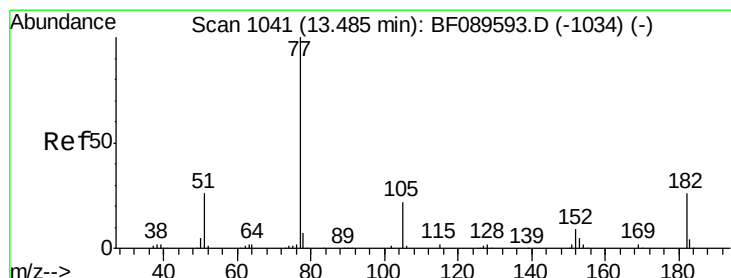
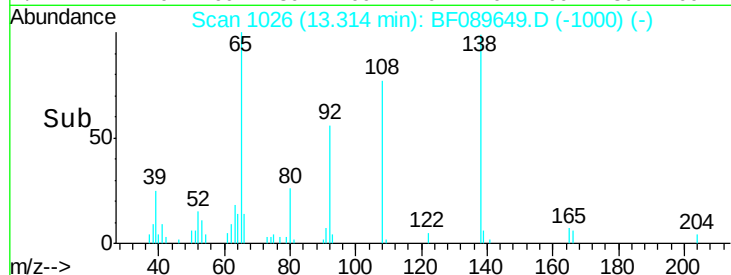
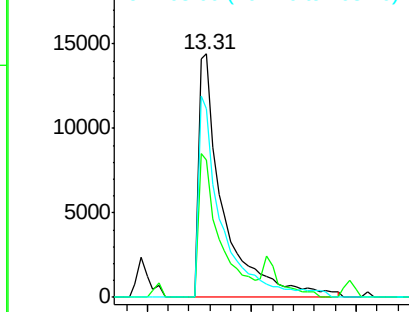


Abundance

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: 56.18 ng

RT: 13.47 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.4	5.8	45.8
105	20.6	2.9	42.9
51	29.0	7.2	47.2

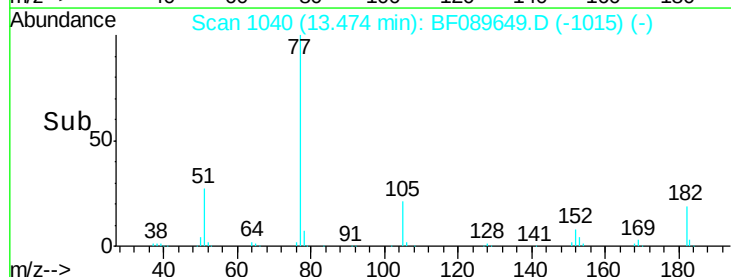
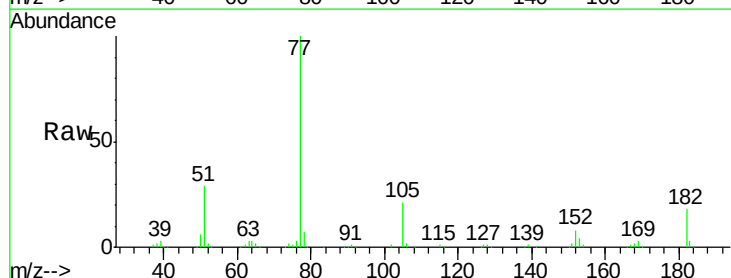
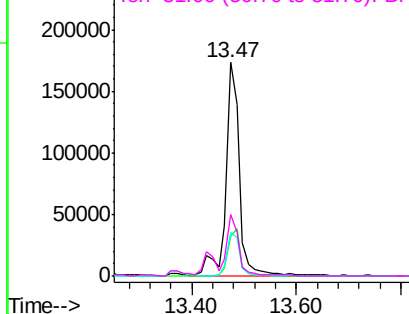
Abundance

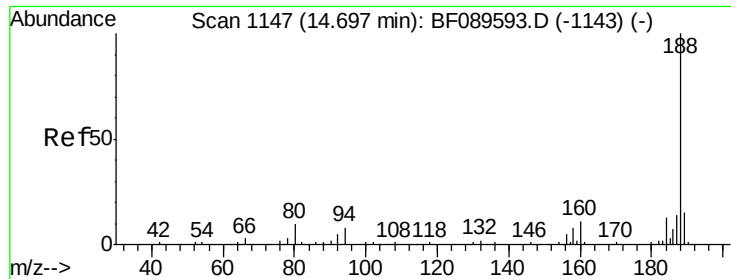
Ion 77.00 (76.70 to 77.70): BF0

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: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:188 Resp: 102012
Ion Ratio Lower Upper

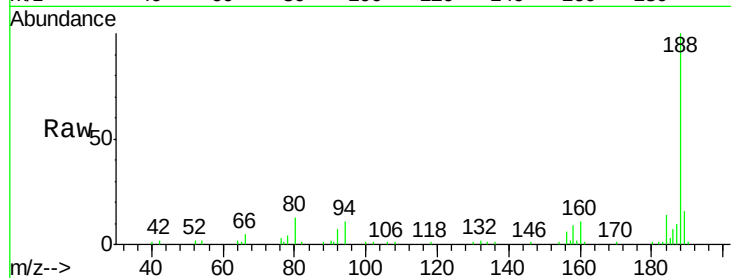
188 100

94 11.1 6.5 9.7#

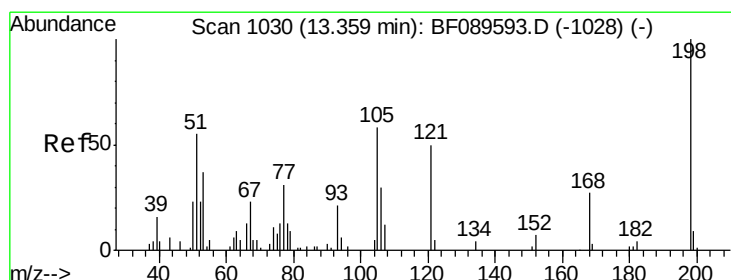
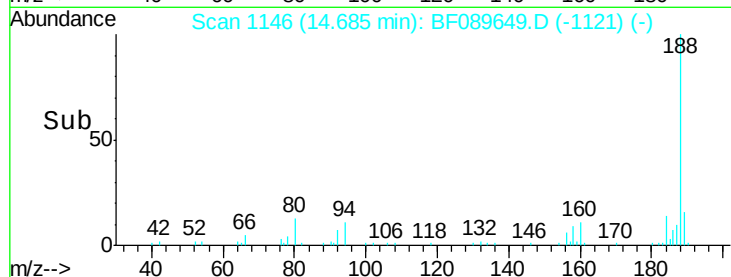
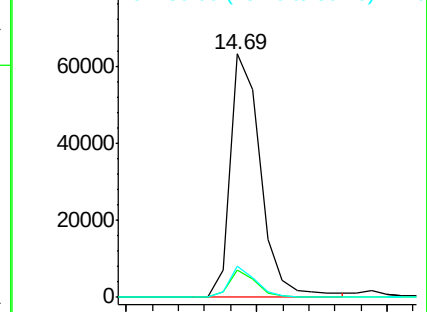
80 12.6 8.0 12.0#

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



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



#64

4,6-Dinitro-2-methylphenol

Concen: 28.79 ng

RT: 13.37 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF089649.D

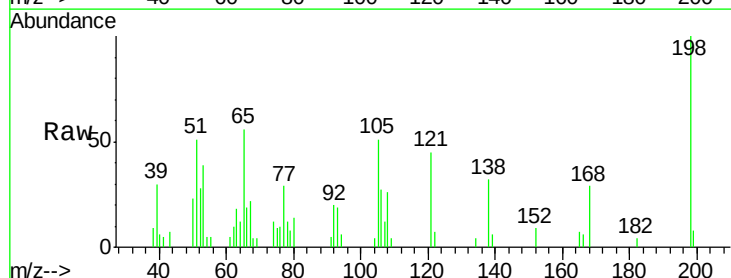
Acq: 6 Aug 2016 4:09

Tgt Ion:198 Resp: 16463
Ion Ratio Lower Upper

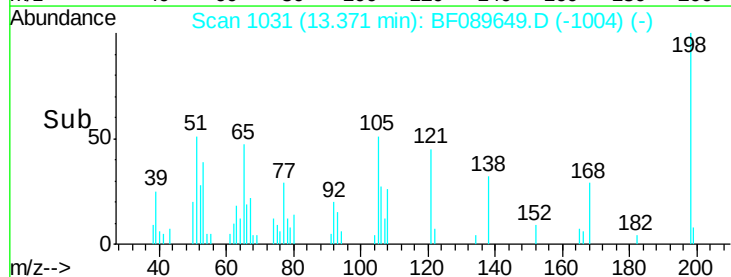
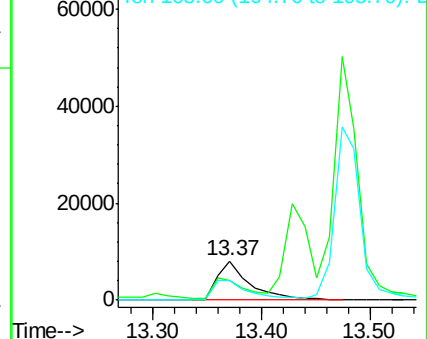
198 100

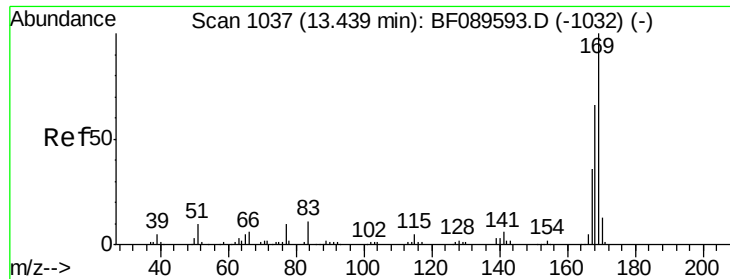
51 50.7 38.9 78.9

105 50.8 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





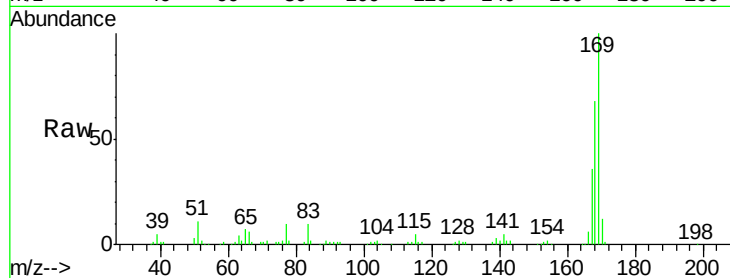
#65
 n-Nitrosodiphenylamine
 Concen: 64.69 ng
 RT: 13.44 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

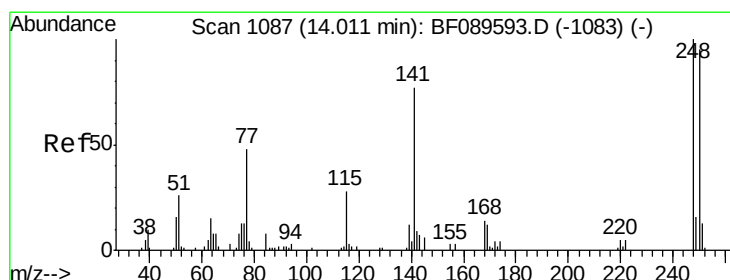
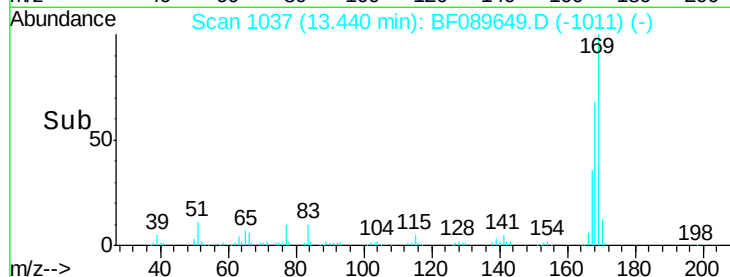
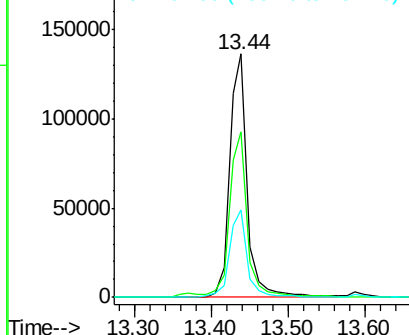
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	222888		
168	68.1	54.2	81.2	
167	35.8	28.9	43.3	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM



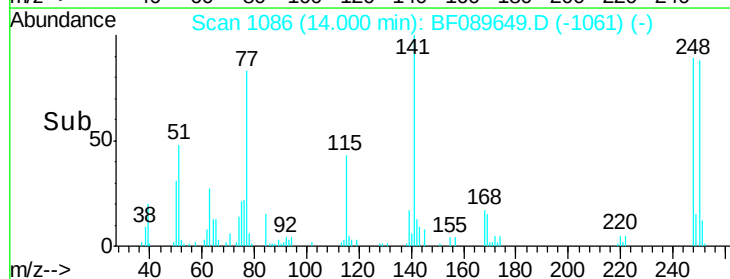
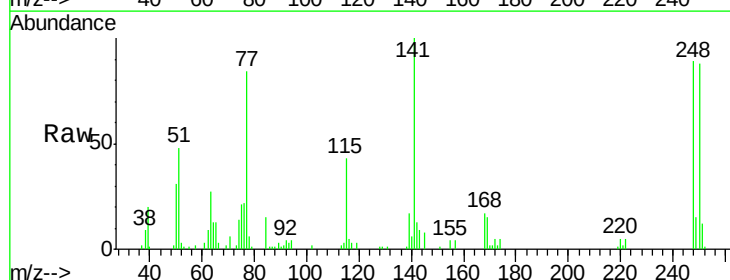
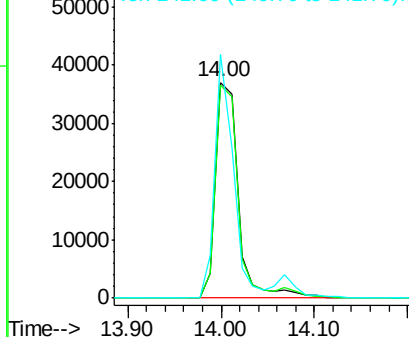
Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

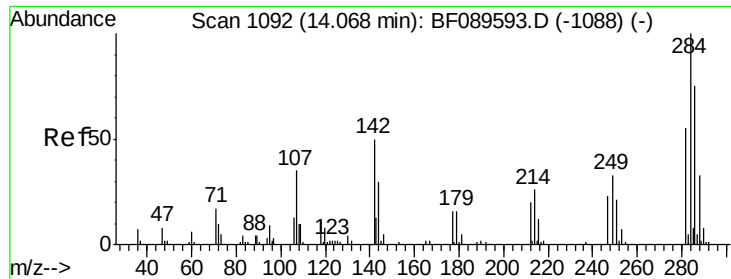


#66
 4-Bromophenyl-phenylether
 Concen: 63.67 ng
 RT: 14.00 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	62819		
250	98.9	76.2	114.2	
141	112.9	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: 55.38 ng

RT: 14.07 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

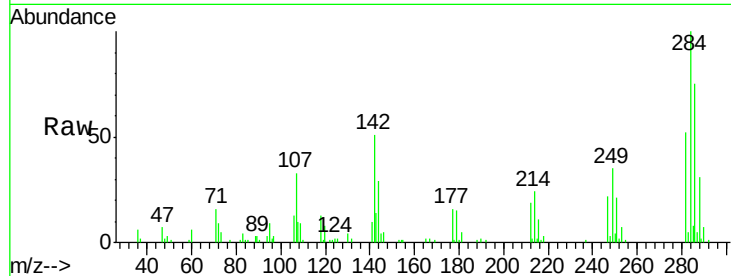
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	60113		
142	50.7	41.4	62.0	
249	35.4	28.6	43.0	

Manual Integrations
APPROVED

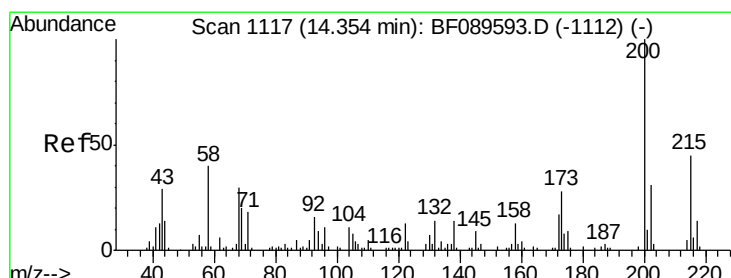
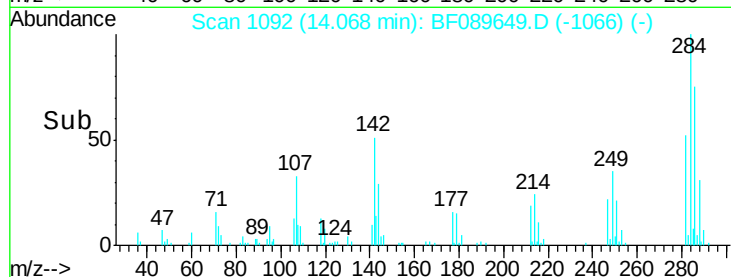
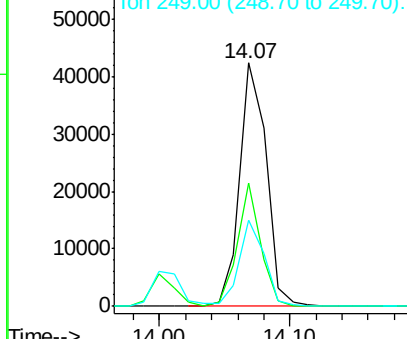
umangi
8/8/2016 9:20:31 AM



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: 67.04 ng

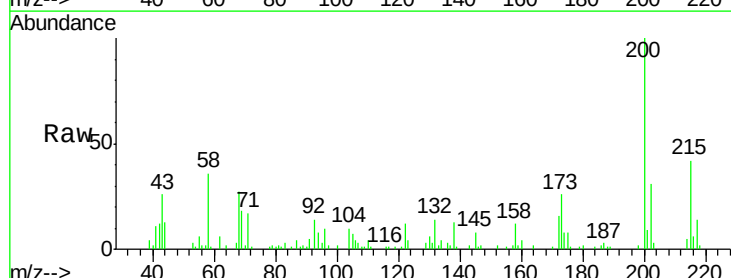
RT: 14.35 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

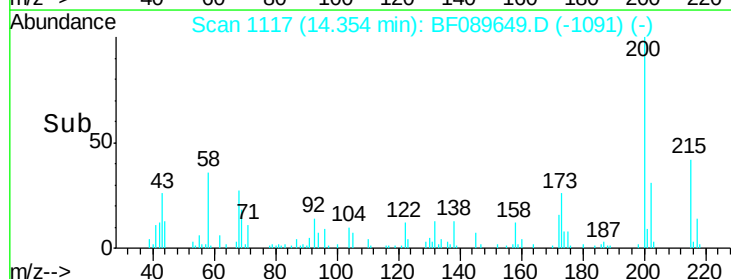
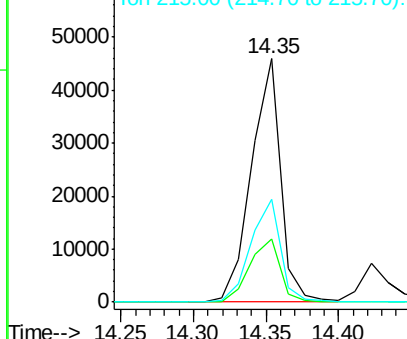
Tgt Ion	Ratio	Resp	Lower	Upper
200	100	64493		
173	26.2	8.2	48.2	
215	42.3	24.9	64.9	

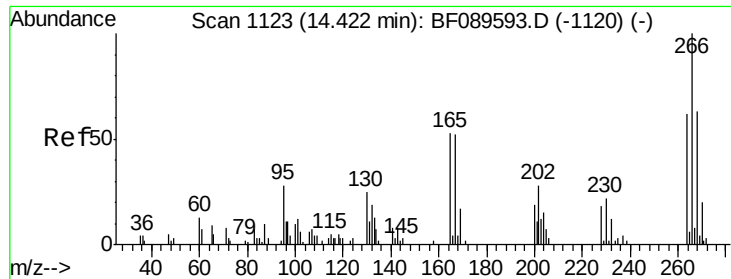


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 114.17 ng

RT: 14.42 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

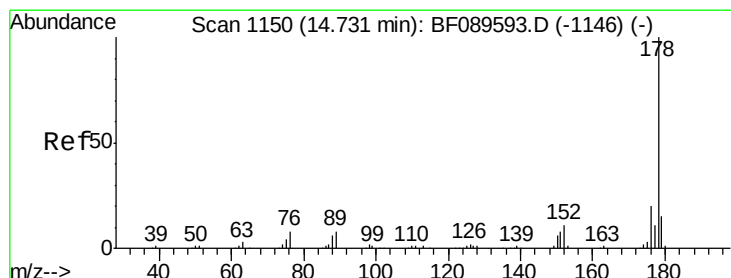
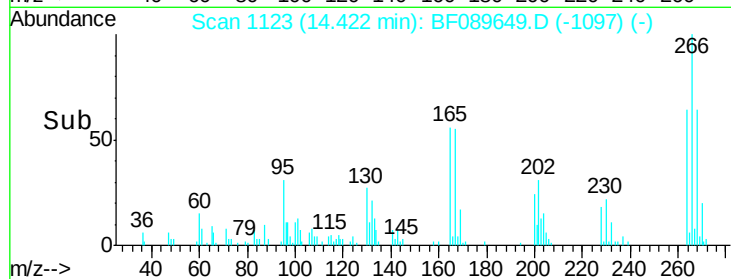
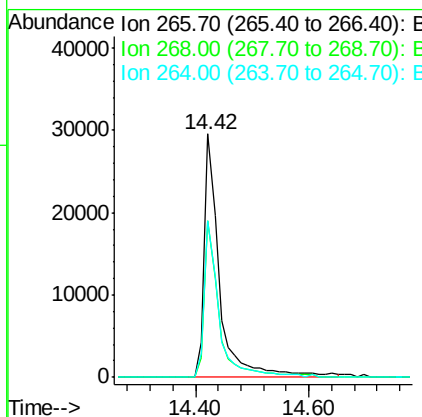
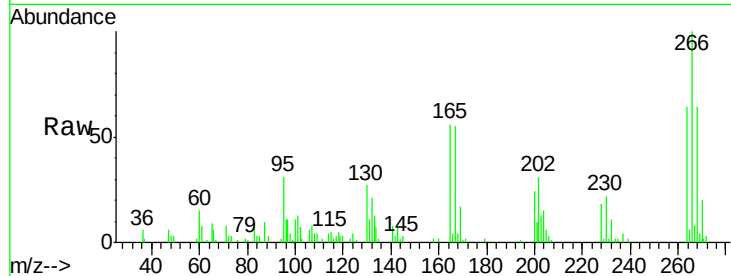
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	266	Resp:	53922
Ion Ratio	Lower	Upper	
266	100		
268	64.5	50.6	75.8
264	64.5	49.5	74.3

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#70

Phenanthrene

Concen: 56.36 ng

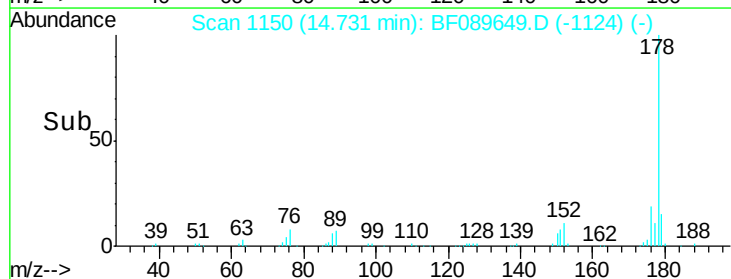
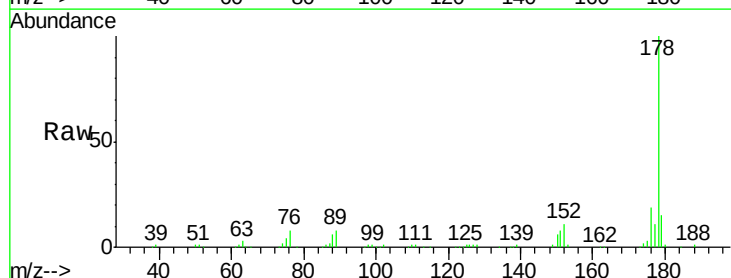
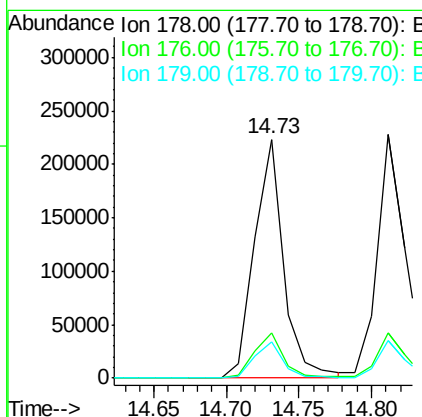
RT: 14.73 min Scan# 1150

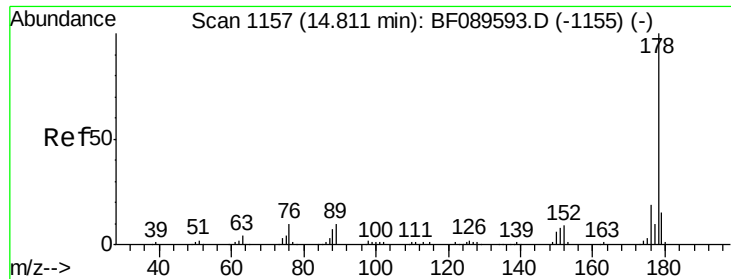
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	178	Resp:	312632
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.7	23.5
179	15.2	12.2	18.2





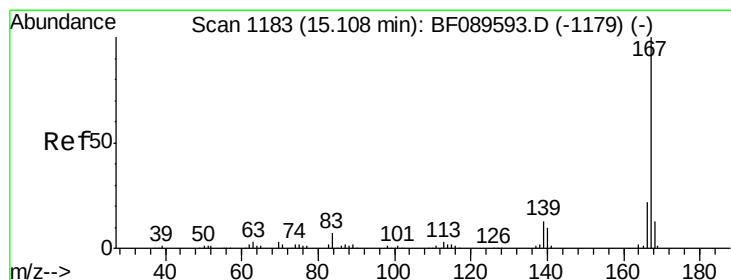
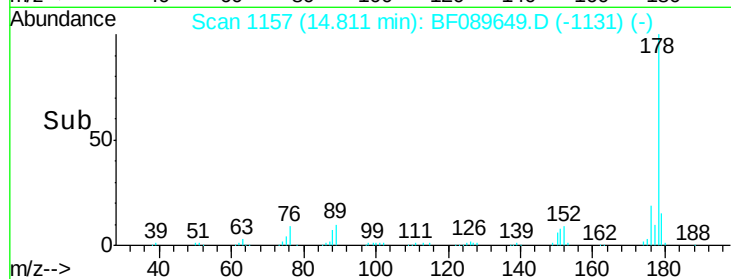
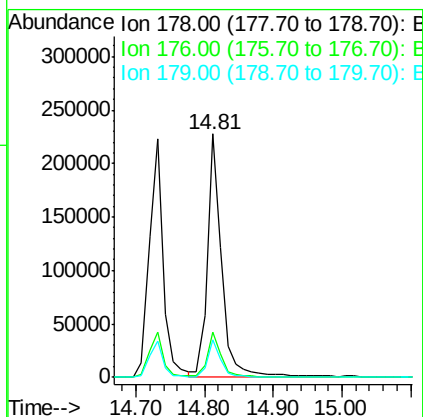
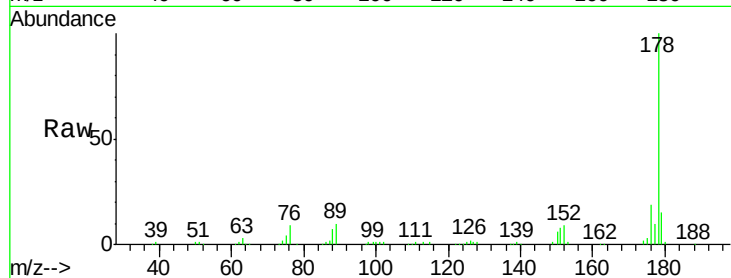
#71
 Anthracene
 Concen: 55.10 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.4	18.6

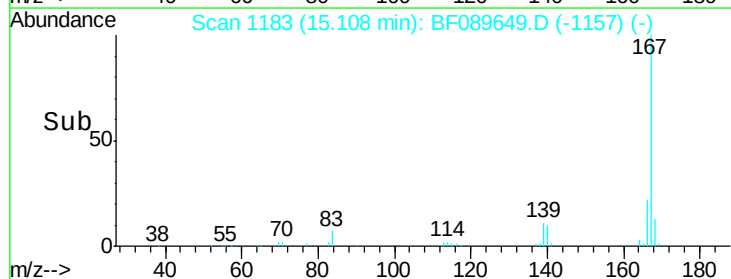
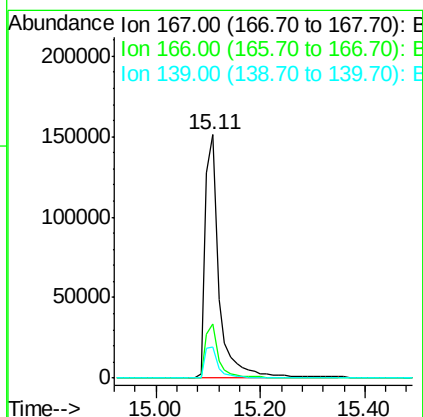
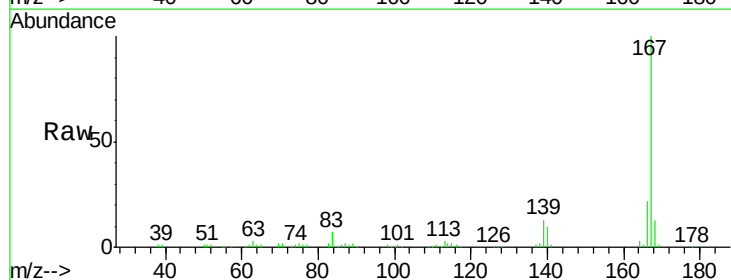
Manual Integrations
 APPROVED

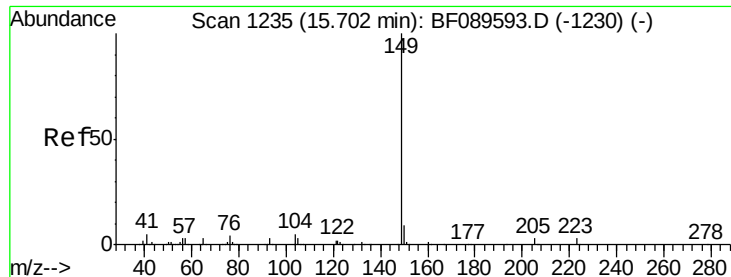
umangi
 8/8/2016 9:20:31 AM



#72
 Carbazole
 Concen: 56.53 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	12.7	10.4	15.6





#73

Di-n-butylphthalate

Concen: 61.13 ng

RT: 15.70 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

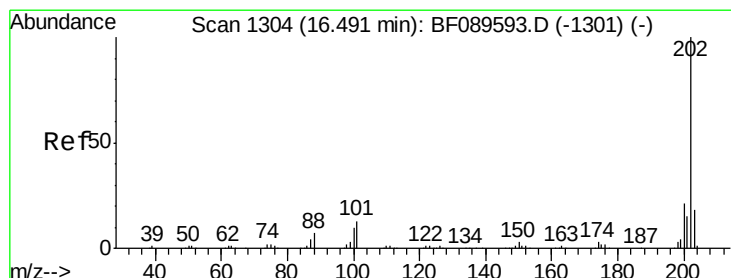
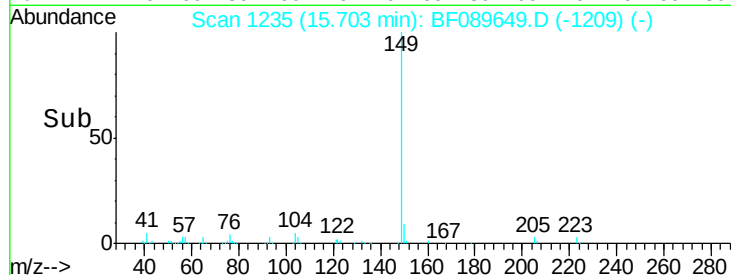
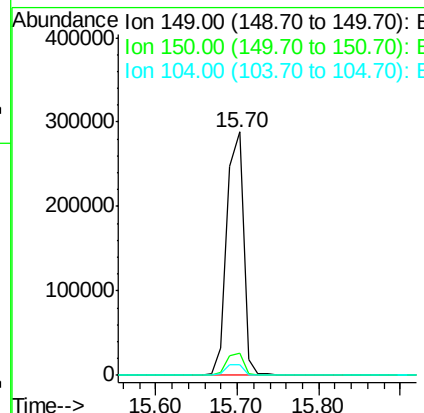
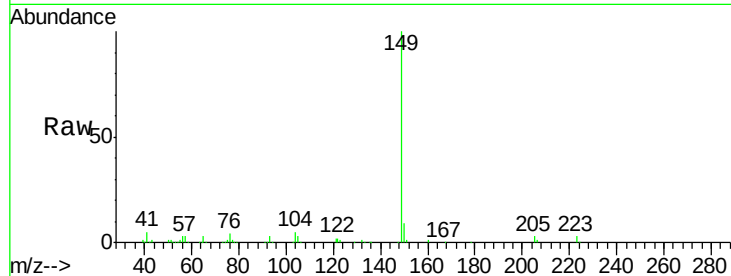
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	149	Resp:	409757
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.2	10.8
104	4.5	3.8	5.8

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#74

Fluoranthene

Concen: 51.59 ng

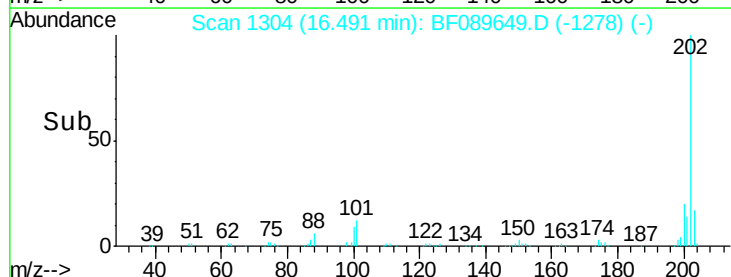
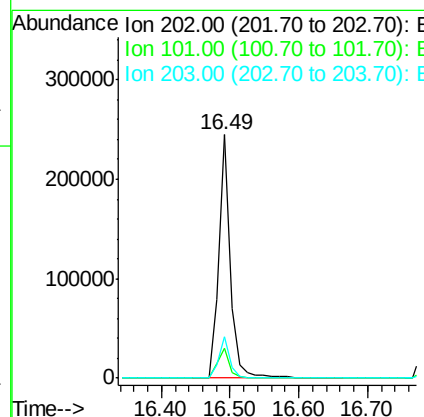
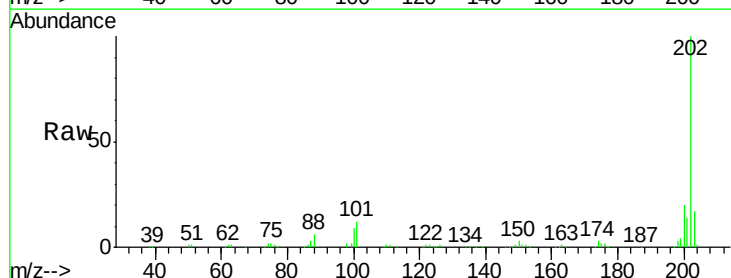
RT: 16.49 min Scan# 1304

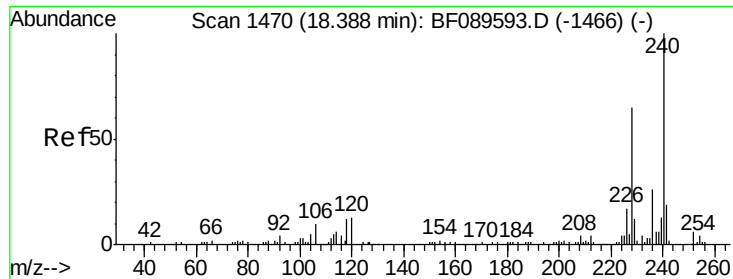
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	202	Resp:	294169
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	32.7
203	17.0	0.0	37.8





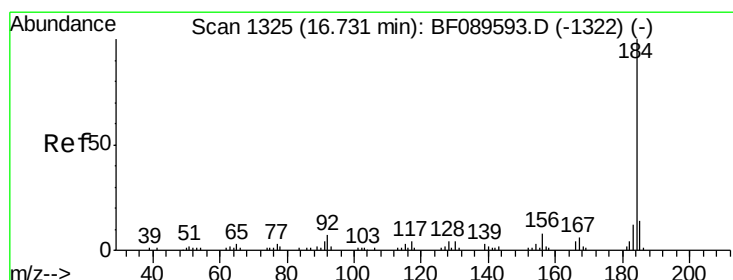
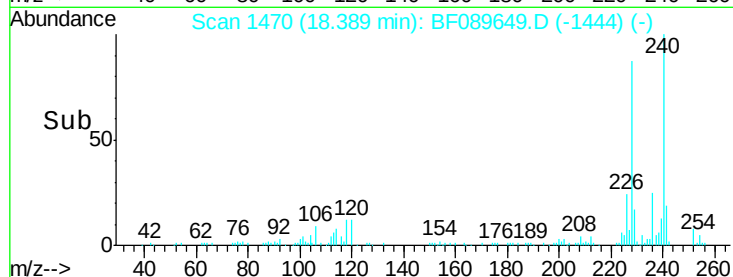
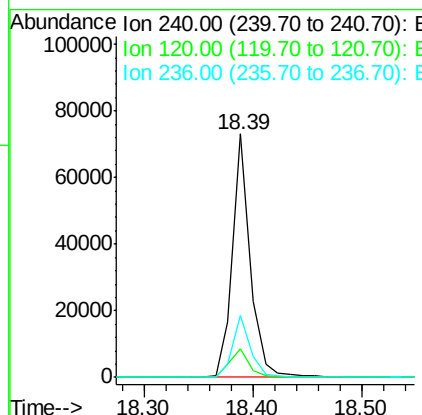
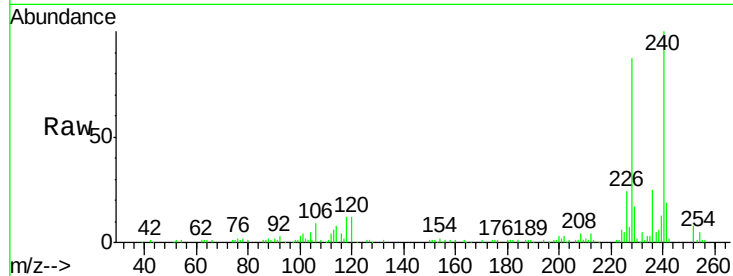
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.39 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	82114		
120	12.0	10.6	15.8	
236	25.4	20.6	30.8	

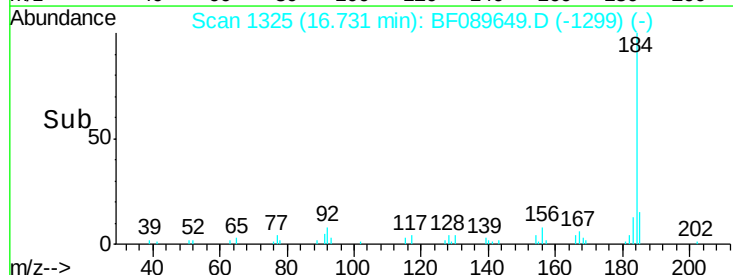
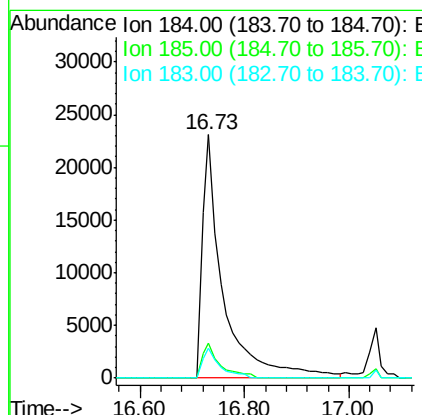
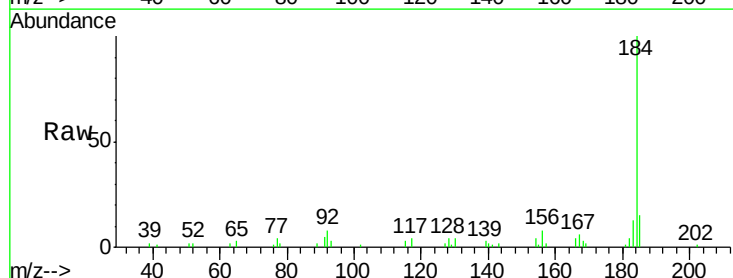
Manual Integrations
APPROVED

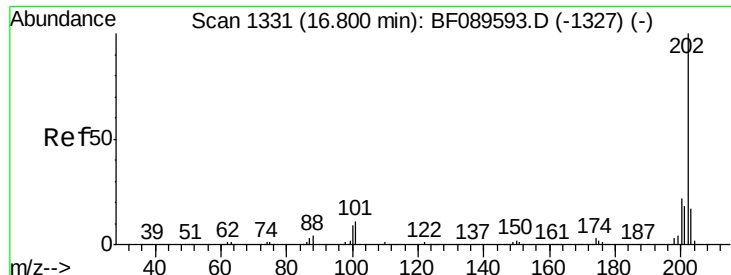
umangi
8/8/2016 9:20:31 AM



#76
Benzidine
Concen: 25.81 ng
RT: 16.73 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	64255		
185	14.5	11.5	17.3	
183	12.5	9.8	14.8	





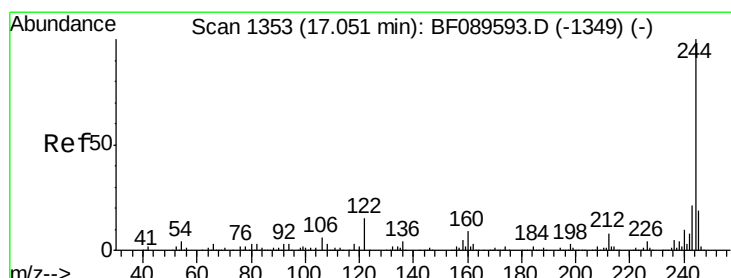
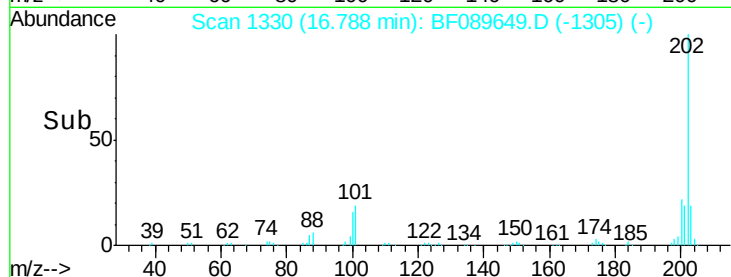
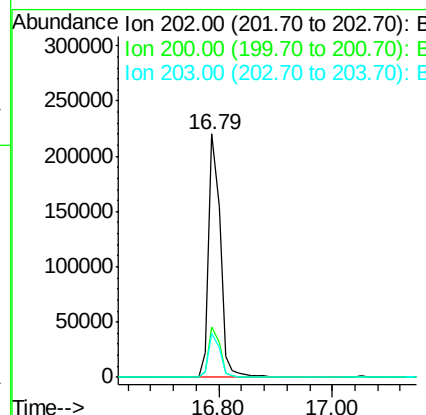
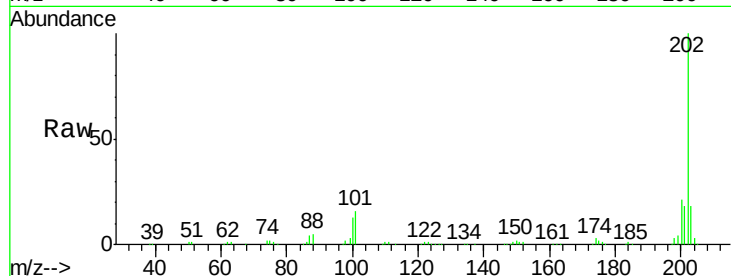
#77
 Pyrene
 Concen: 41.61 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	17.4	26.0
203	17.9	13.6	20.4

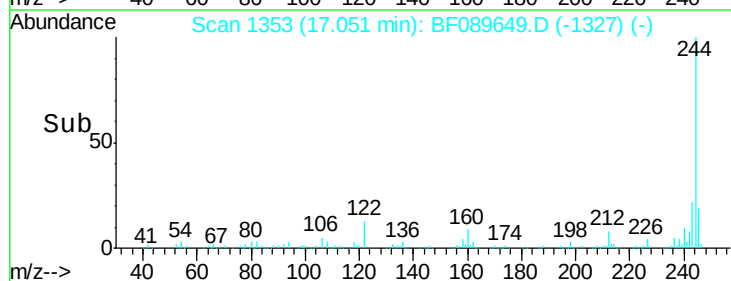
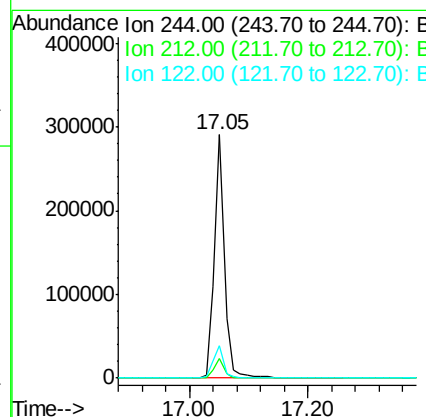
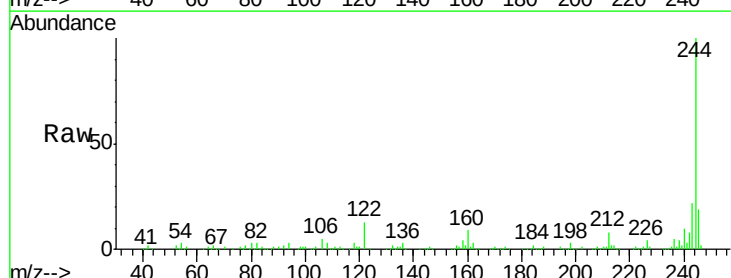
Manual Integrations
 APPROVED

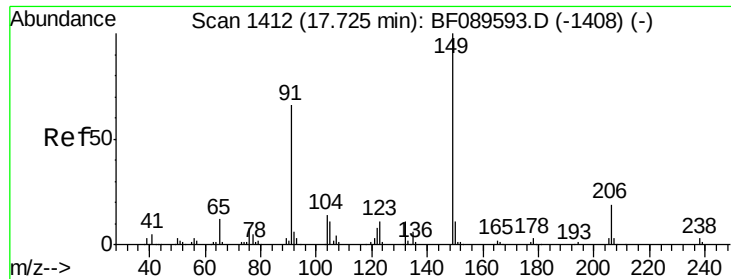
umangi
 8/8/2016 9:20:31 AM



#78
 Terphenyl-d14
 Concen: 83.39 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.8	6.4	9.6
122	13.4	12.2	18.2





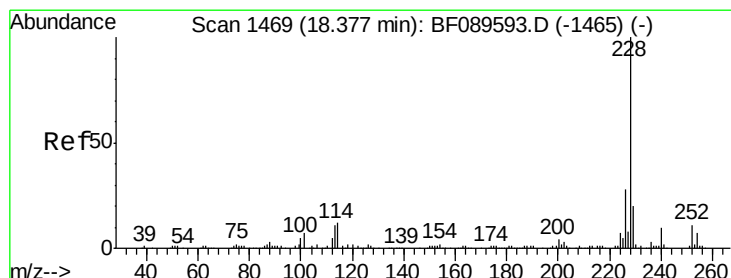
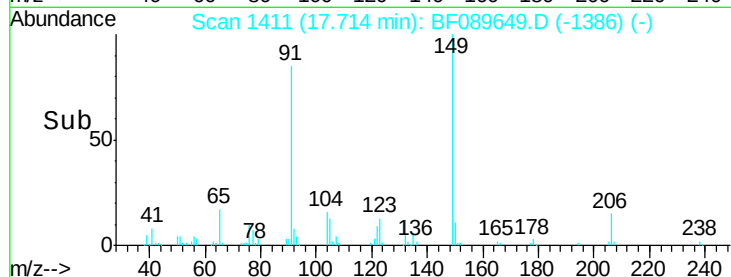
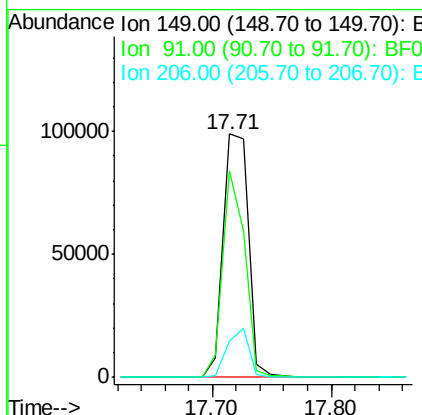
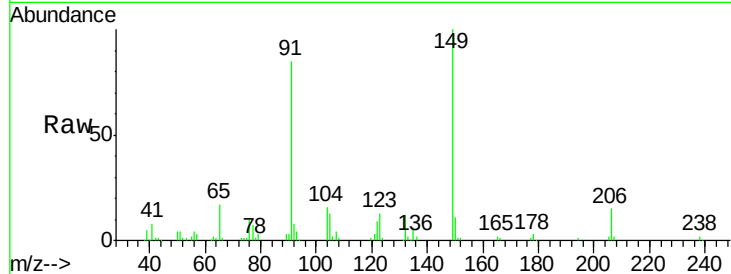
#79
Butylbenzylphthalate
Concen: 46.89 ng
RT: 17.71 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	85.0	52.6	78.8#
206	14.9	15.4	23.0#

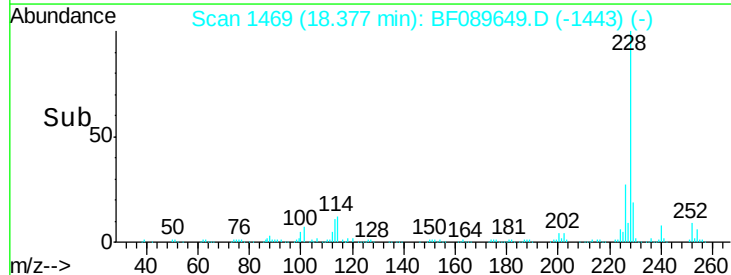
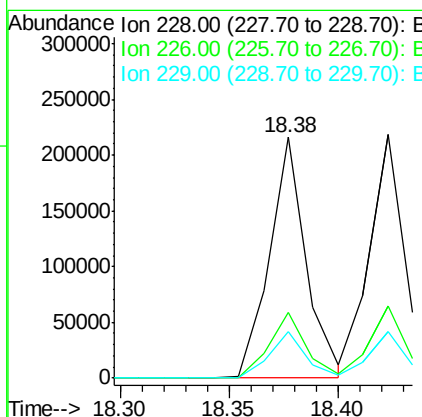
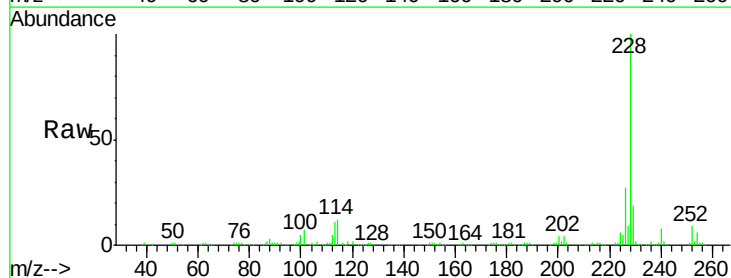
Manual Integrations
APPROVED

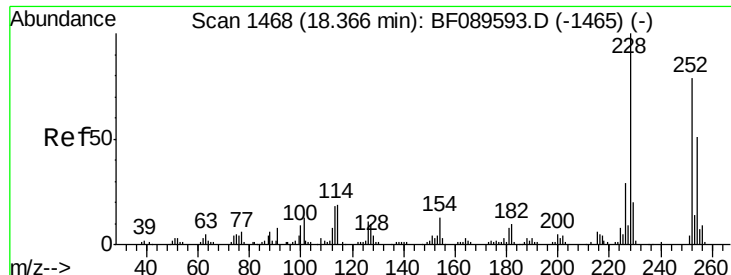
umangi
8/8/2016 9:20:31 AM



#80
Benzo(a)anthracene
Concen: 54.05 ng
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.4	22.3	33.5
229	19.2	15.9	23.9





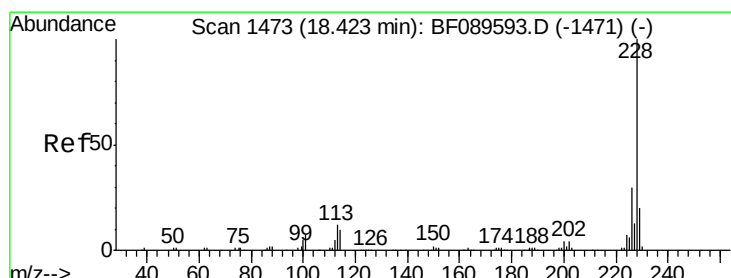
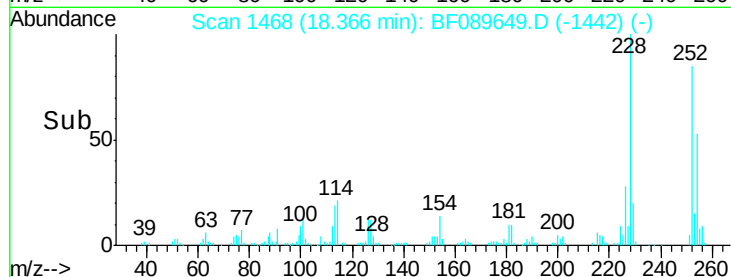
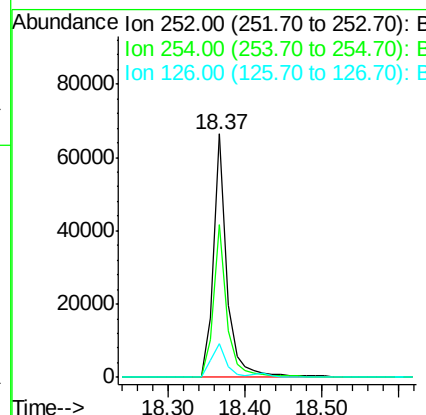
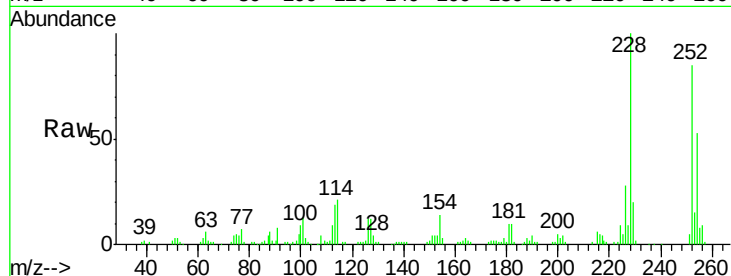
#81
 3,3'-Dichlorobenzidine
 Concen: 54.30 ng
 RT: 18.37 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	80706		
254	62.9		51.7	77.5
126	14.1		11.0	16.4

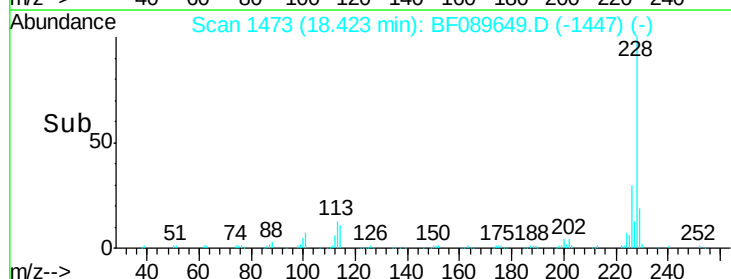
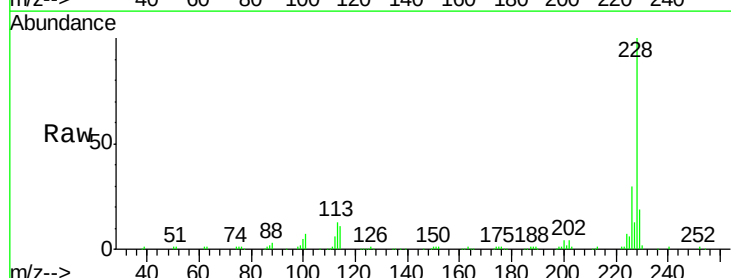
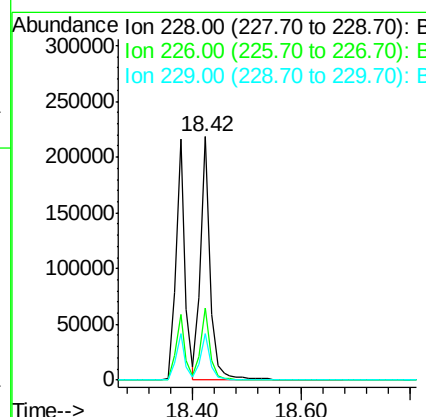
Manual Integrations
 APPROVED

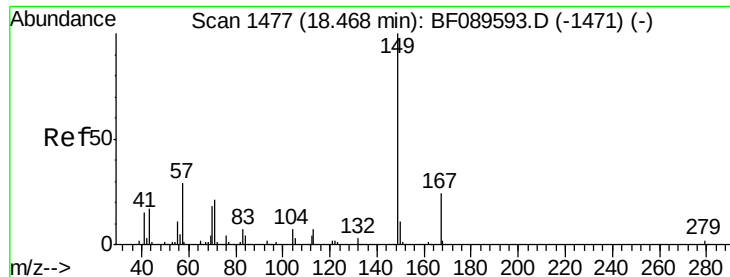
umangi
 8/8/2016 9:20:31 AM



#82
 Chrysene
 Concen: 53.45 ng
 RT: 18.42 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	264546		
226	29.7		24.2	36.2
229	19.3		16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 47.13 ng

RT: 18.47 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

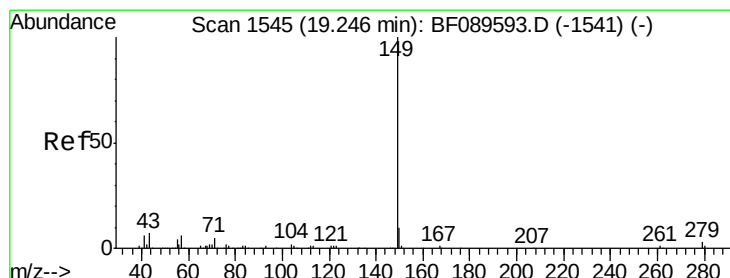
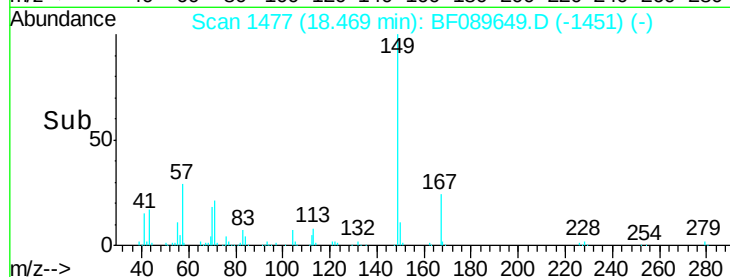
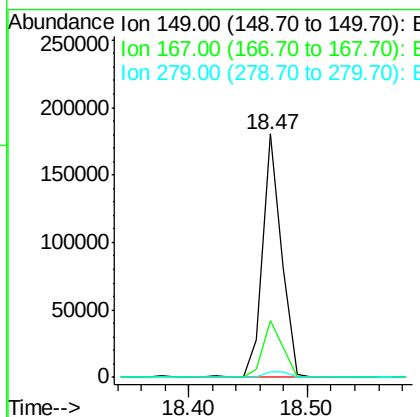
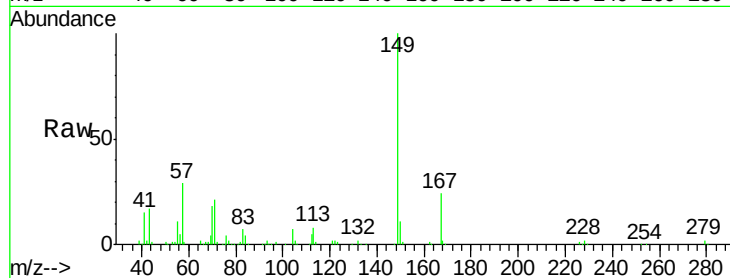
ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:	149	Resp:	201586
Ion Ratio		Lower	Upper
149	100		
167	23.5	19.0	28.4
279	2.2	1.8	2.6

Manual Integrations
APPROVED

umangi
8/8/2016 9:20:31 AM



#84

Di-n-octyl phthalate

Concen: 60.68 ng

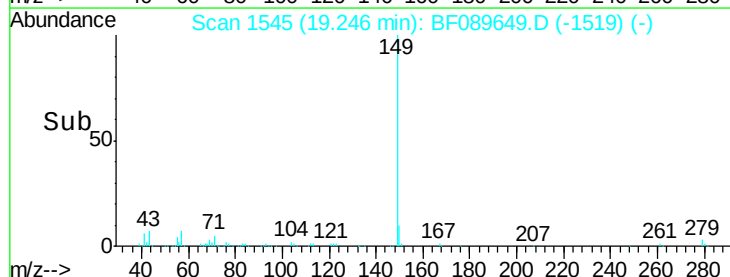
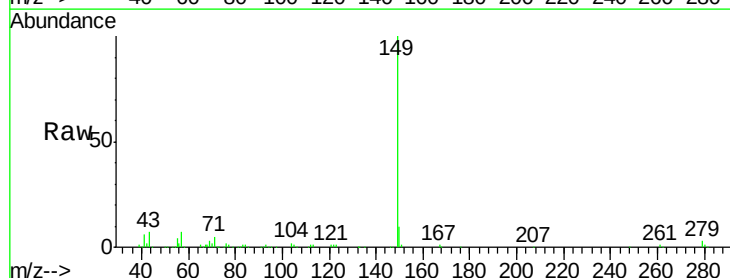
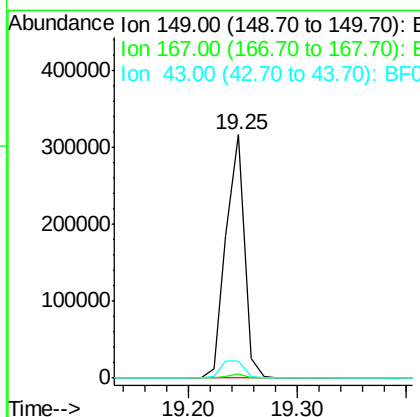
RT: 19.25 min Scan# 1545

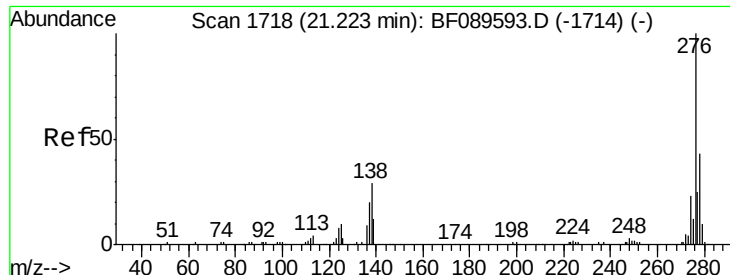
Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:	149	Resp:	373527
Ion Ratio		Lower	Upper
149	100		
167	1.4	1.1	1.7
43	9.5	7.0	10.4





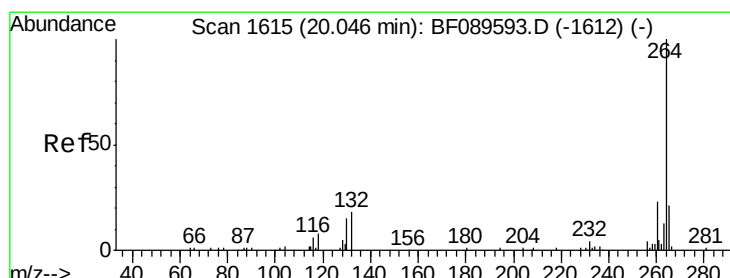
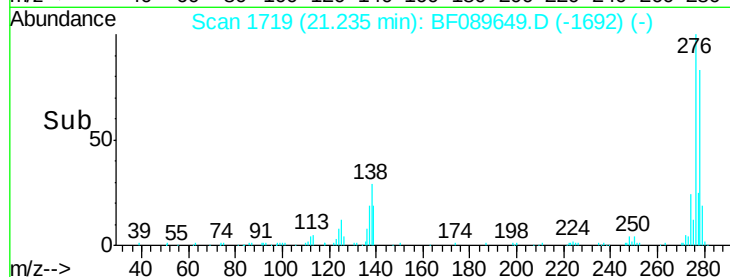
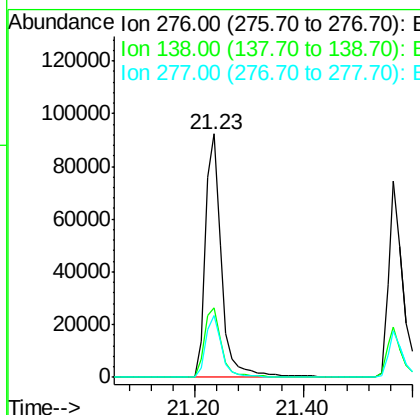
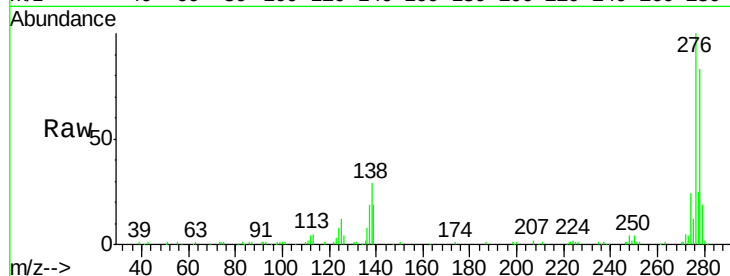
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.17 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	30.2	23.8	35.8
277	25.2	20.3	30.5

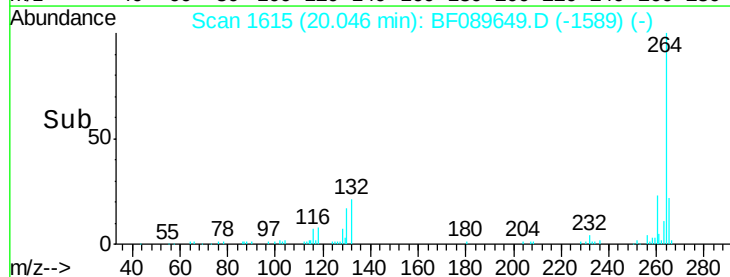
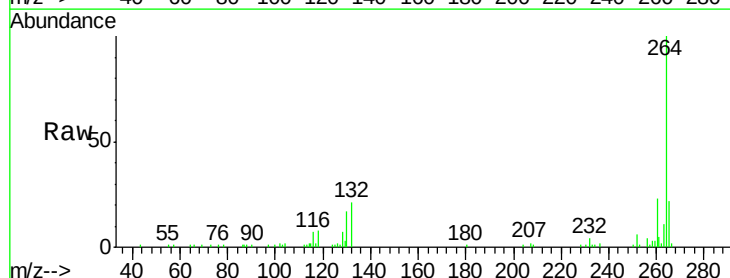
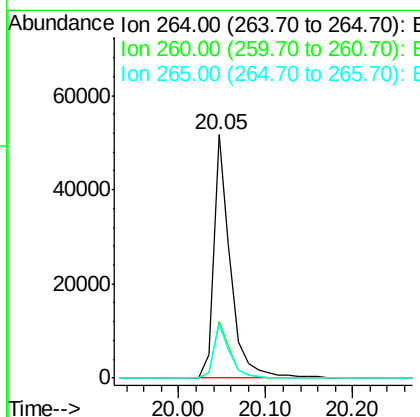
Manual Integrations
 APPROVED

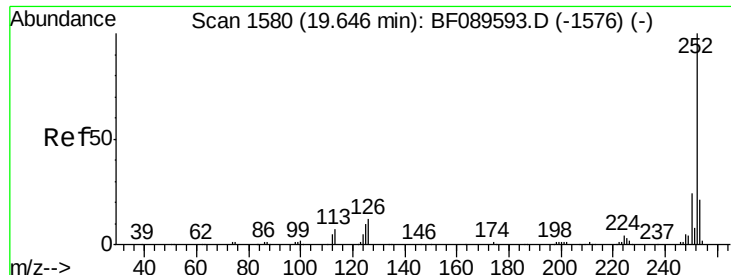
umangi
 8/8/2016 9:20:31 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.2	18.7	28.1
265	22.0	16.5	24.7





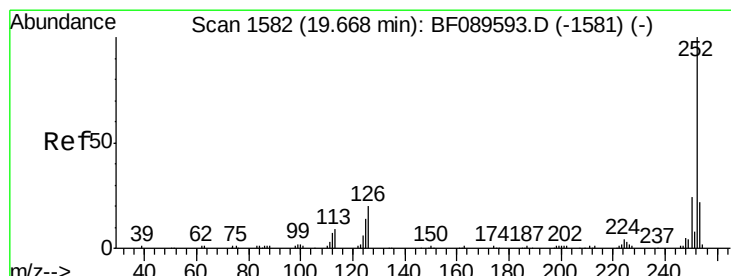
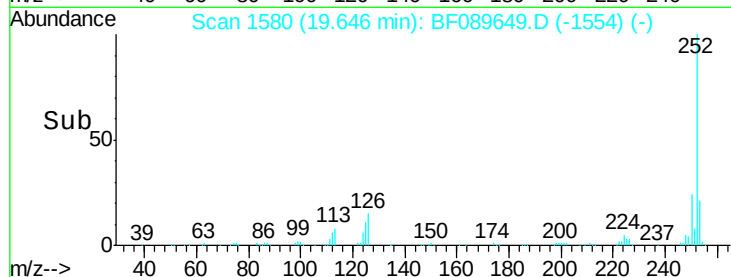
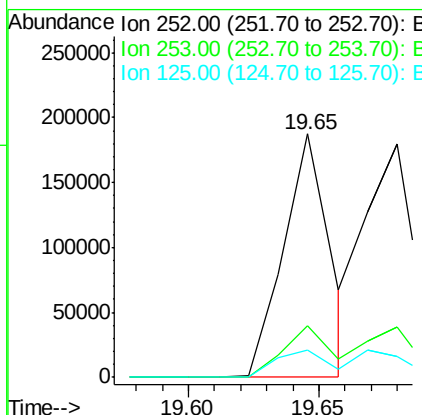
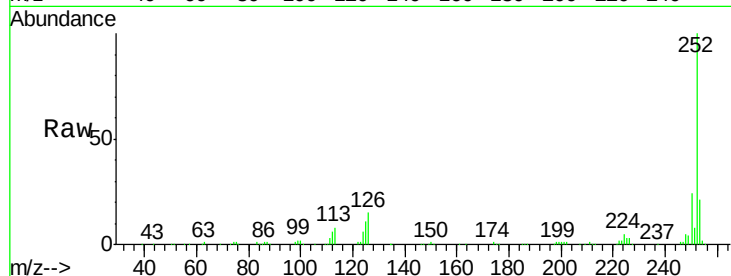
#87
Benzo(b)fluoranthene
Concen: 54.04 ng
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	11.3	7.8	11.8

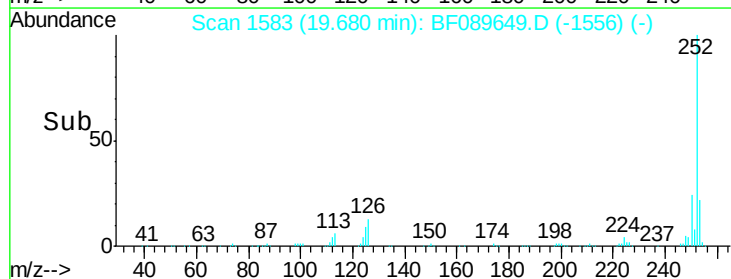
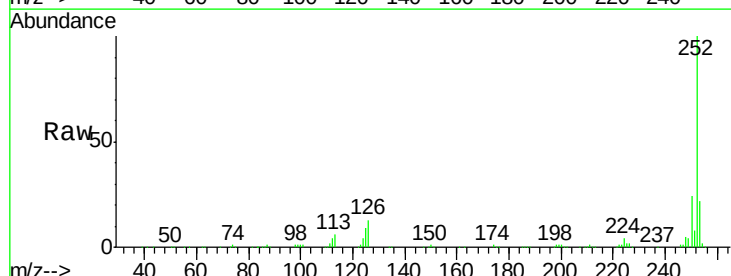
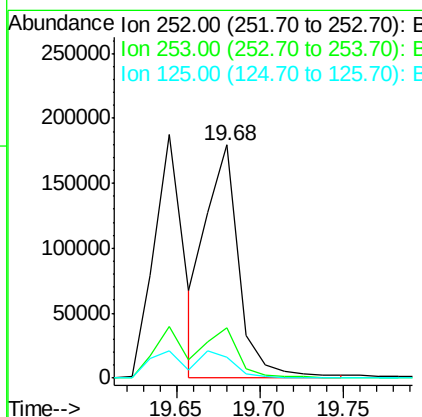
Manual Integrations
APPROVED

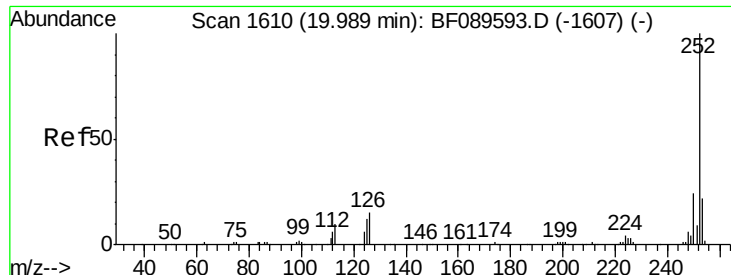
umangi
8/8/2016 9:20:31 AM



#88
Benzo(k)fluoranthene
Concen: 58.21 ng m
RT: 19.68 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	8.9	11.0	16.6#





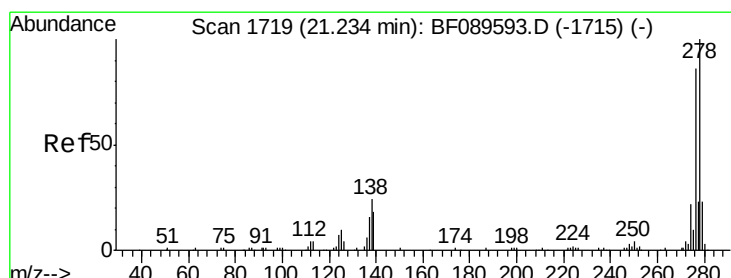
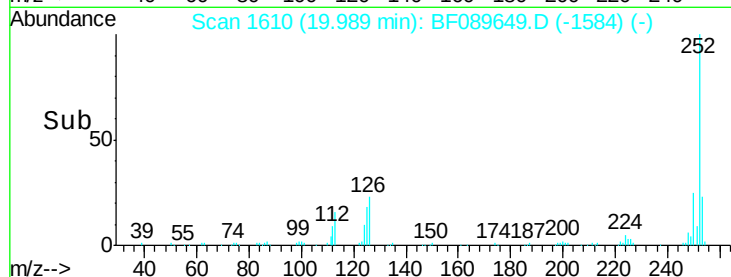
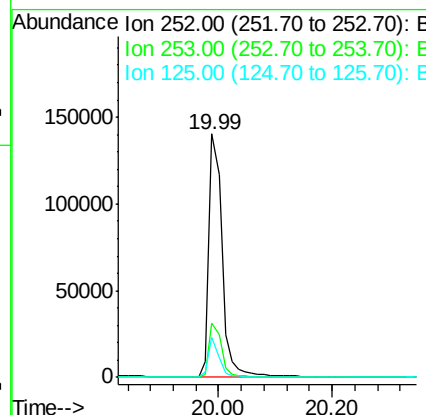
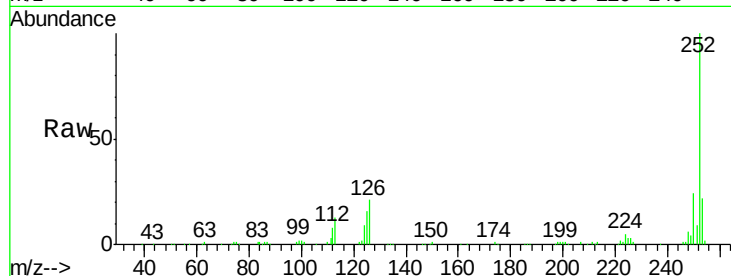
#89
Benzo(a)pyrene
Concen: 55.18 ng
RT: 19.99 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	16.2	9.9	14.9

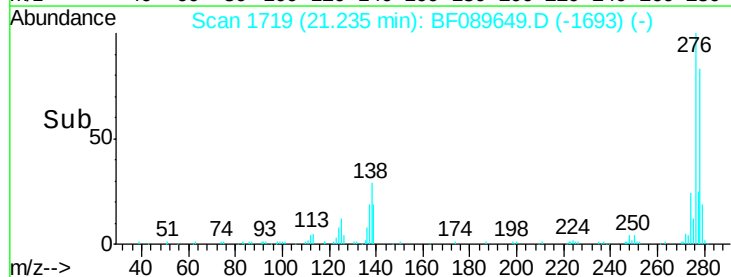
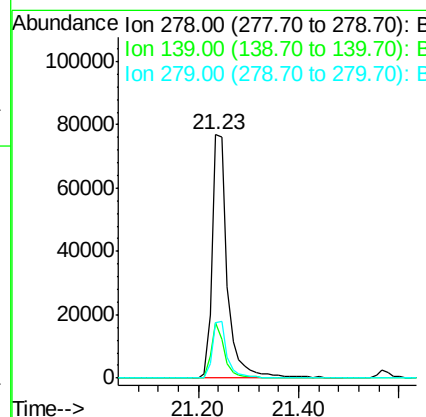
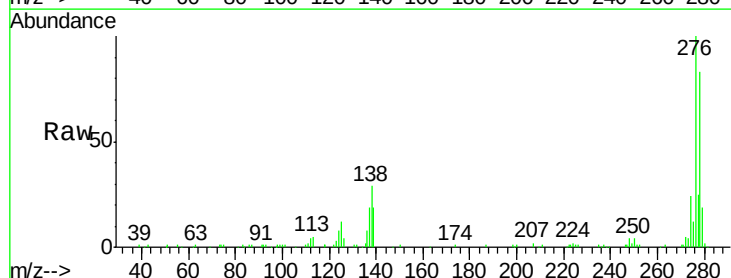
Manual Integrations
APPROVED

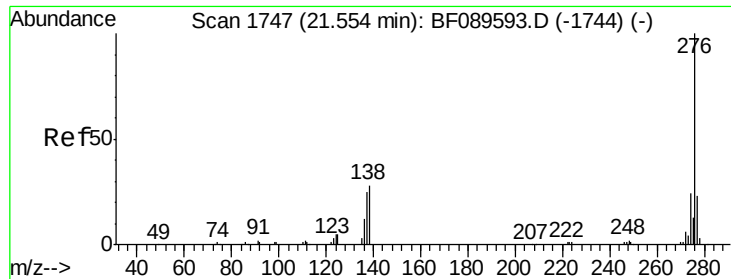
umangi
8/8/2016 9:20:31 AM



#90
Dibenzo(a,h)anthracene
Concen: 43.63 ng
RT: 21.23 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.6	14.6	21.8
279	23.0	18.4	27.6





#91
 Benzo(g,h,i)perylene
 Concen: 39.06 ng
 RT: 21.57 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion:	276	Resp:	148987
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	25.8	22.6	33.8

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:20:31 AM

