

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087088.D
 Acq On : 16 May 2016 18:26
 Operator : UM/SJ
 Sample : PB90651BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:15:45 PM

Quant Time: May 17 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	130817	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	509302	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	208878	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	312091	20.00	ng	0.00
75) Chrysene-d12	13.75	240	236357	20.00	ng	-0.01
86) Perylene-d12	15.11	264	203872	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	782592	101.31	ng	0.01
7) Phenol-d6	6.28	99	1016357	98.45	ng	0.00
23) Nitrobenzene-d5	7.19	82	661996	65.27	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	167261	75.64	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	984543	79.22	ng	0.00
78) Terphenyl-d14	12.71	244	743163	66.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.12	88	101504	26.77	ng	# 66
3) Pyridine	2.76	79	290856	31.37	ng	# 54
4) n-Nitrosodimethylamine	2.72	42	214354	31.88	ng	# 48
6) Aniline	6.27	93	226221	18.12	ng	# 88
8) 2-Chlorophenol	6.40	128	284972	30.57	ng	90
9) Benzaldehyde	6.16	77	19926	3.33	ng	97
10) Phenol	6.30	94	381785	31.11	ng	91
11) bis(2-Chloroethyl)ether	6.35	93	273113	28.54	ng	90
12) 1,3-Dichlorobenzene	6.55	146	302474	29.99	ng	99
13) 1,4-Dichlorobenzene	6.63	146	305776	29.73	ng	98
14) 1,2-Dichlorobenzene	6.78	146	280209	31.25	ng	98
15) Benzyl Alcohol	6.78	79	241447	33.87	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.90	45	618375	29.73	ng	65
17) 2-Methylphenol	6.90	107	227796m	30.71	ng	
18) Hexachloroethane	7.12	117	85300	22.04	ng	# 77
19) n-Nitroso-di-n-propylamine	7.04	70	244856m	33.94	ng	
20) 3+4-Methylphenols	7.06	107	307213	31.71	ng	# 59
22) Acetophenone	7.03	105	397758	33.06	ng	# 98
24) Nitrobenzene	7.20	77	317372	30.42	ng	95
25) Isophorone	7.44	82	547253	29.08	ng	97
26) 2-Nitrophenol	7.52	139	113625	24.77	ng	# 76
27) 2,4-Dimethylphenol	7.58	122	240709	30.81	ng	88
28) bis(2-Chloroethoxy)methane	7.66	93	322325	31.75	ng	# 98
29) 2,4-Dichlorophenol	7.77	162	216442	31.48	ng	92
30) 1,2,4-Trichlorobenzene	7.84	180	232220	30.20	ng	96
31) Naphthalene	7.92	128	808783	31.71	ng	99
32) Benzoic acid	7.72	122	112312	24.48	ng	94
33) 4-Chloroaniline	7.99	127	145404	14.67	ng	97
34) Hexachlorobutadiene	8.03	225	130198	29.19	ng	99
35) Caprolactam	8.35	113	67672	28.92	ng	# 57
36) 4-Chloro-3-methylphenol	8.49	107	235587	28.25	ng	99
37) 2-Methylnaphthalene	8.60	142	472979m	31.71	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	208334	34.30	ng	99
40) Hexachlorocyclopentadiene	8.76	237	14644	5.08	ng	94

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087088.D
 Acq On : 16 May 2016 18:26
 Operator : UM/SJ
 Sample : PB90651BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:15:45 PM

Quant Time: May 17 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	132306	32.58	nq	94
43) 2,4,5-Trichlorophenol	8.95	196	129847	30.92	nq	# 81
45) 1,1'-Biphenyl	9.07	154	589049	35.45	nq	97
46) 2-Chloronaphthalene	9.10	162	440357	33.83	nq	95
47) 2-Nitroaniline	9.21	65	181370	38.13	nq	95
48) Acenaphthylene	9.51	152	658181	34.38	nq	98
49) Dimethylphthalate	9.38	163	516784	32.43	nq	99
50) 2,6-Dinitrotoluene	9.45	165	97459	29.06	nq	88
51) Acenaphthene	9.68	154	410101	34.43	nq	98
52) 3-Nitroaniline	9.62	138	118576	33.59	nq	99
53) 2,4-Dinitrophenol	9.75	184	5098	10.38	nq	# 82
54) Dibenzofuran	9.85	168	571041	37.35	nq	95
55) 4-Nitrophenol	9.82	139	89388m	40.37	nq	
56) 2,4-Dinitrotoluene	9.85	165	99674	24.02	nq	# 52
57) Fluorene	10.19	166	441447	33.86	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.98	232	98653	31.20	nq	98
59) Diethylphthalate	10.08	149	522865	33.67	nq	99
60) 4-Chlorophenyl-phenylether	10.19	204	195340	31.97	nq	# 75
61) 4-Nitroaniline	10.23	138	109576	32.31	nq	# 63
62) Azobenzene	10.34	77	530711	31.68	nq	82
64) 4,6-Dinitro-2-methylphenol	10.26	198	6216	3.21	nq	# 5
65) n-Nitrosodiphenylamine	10.31	169	365717	38.14	nq	100
66) 4-Bromophenyl-phenylether	10.67	248	120818	38.18	nq	94
67) Hexachlorobenzene	10.74	284	124527	33.67	nq	98
68) Atrazine	10.84	200	113118	35.32	nq	95
69) Pentachlorophenol	10.95	266	90794	53.13	nq	95
70) Phenanthrene	11.14	178	552847	33.19	nq	100
71) Anthracene	11.20	178	614097	36.05	nq	100
72) Carbazole	11.36	167	499485	34.11	nq	98
73) Di-n-butylphthalate	11.70	149	673350	37.66	nq	99
74) Fluoranthene	12.33	202	593339	34.64	nq	92
76) Benzidine	12.47	184	426877	70.84	nq	95
77) Pyrene	12.56	202	567438	31.36	nq	98
79) Butylbenzylphthalate	13.19	149	271038	35.41	nq	93
80) Benzo(a)anthracene	13.74	228	465792	35.11	nq	98
81) 3,3'-Dichlorobenzidine	13.71	252	156710	18.59	nq	# 94
82) Chrysene	13.77	228	458520	33.97	nq	99
83) Bis(2-ethylhexyl)phthalate	13.75	149	376825	40.93	nq	97
84) Di-n-octyl phthalate	14.35	149	624502	40.95	nq	# 82
85) Indeno(1,2,3-cd)pyrene	16.37	276	364531	32.46	nq	95
87) Benzo(b)fluoranthene	14.74	252	413878m	31.24	nq	
88) Benzo(k)fluoranthene	14.77	252	385468m	35.53	nq	
89) Benzo(a)pyrene	15.06	252	386972	33.86	nq	# 97
90) Dibenzo(a,h)anthracene	16.37	278	311640	32.36	nq	98
91) Benzo(g,h,i)perylene	16.73	276	292970	29.94	nq	# 92

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

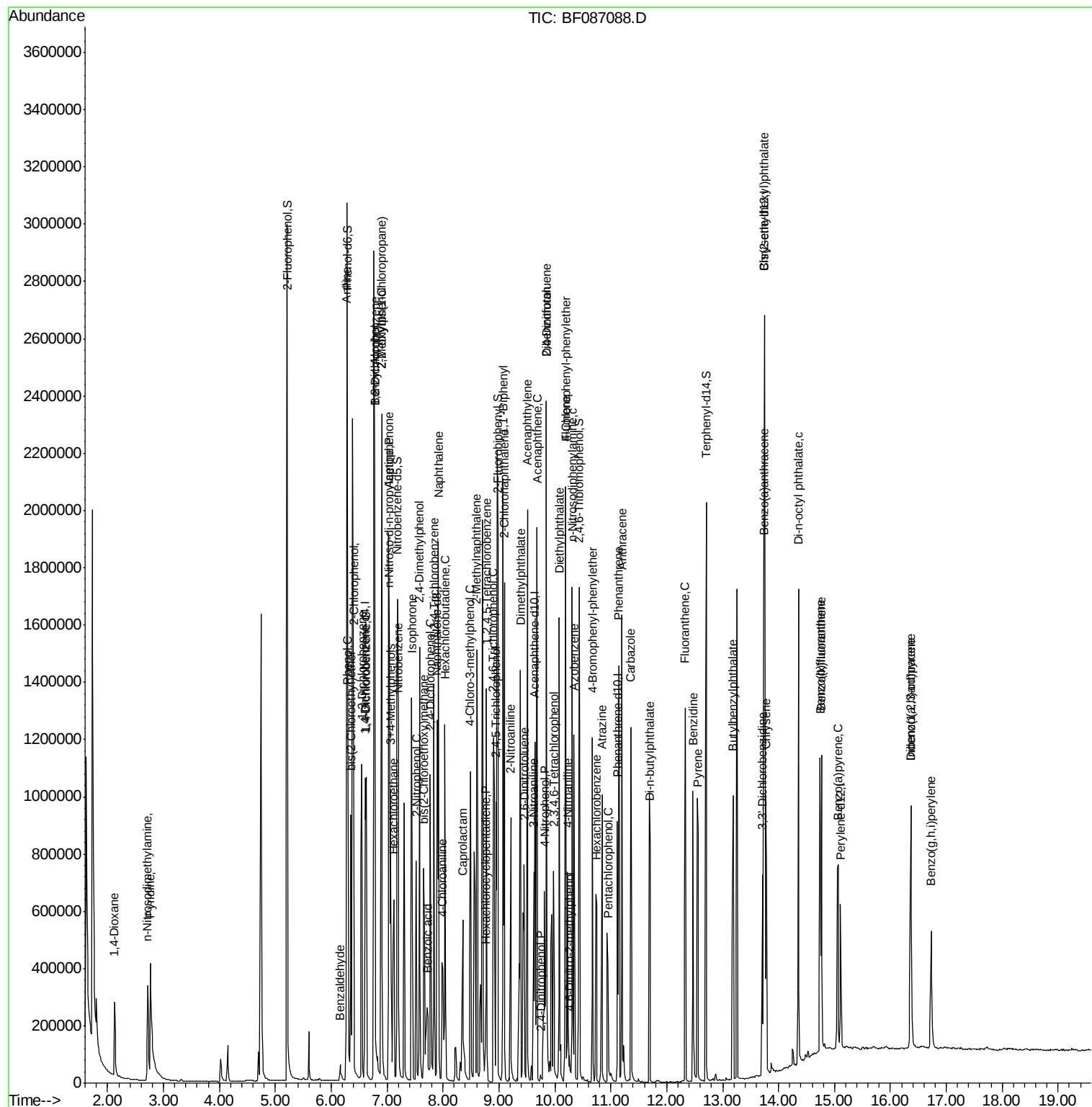
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087088.D
 Acq On : 16 May 2016 18:26
 Operator : UM/SJ
 Sample : PB90651BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

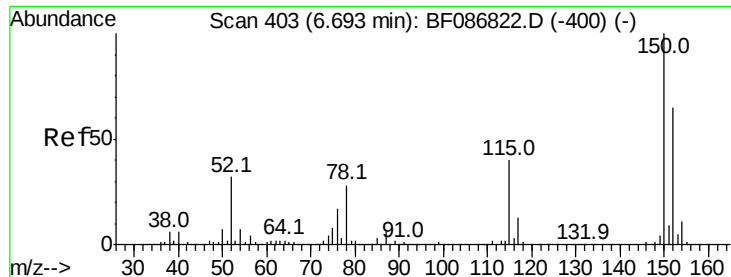
Instrument :
 BNA_F
 ClientSampleID :
 PB90651BS

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:15:45 PM

Quant Time: May 17 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration





#1

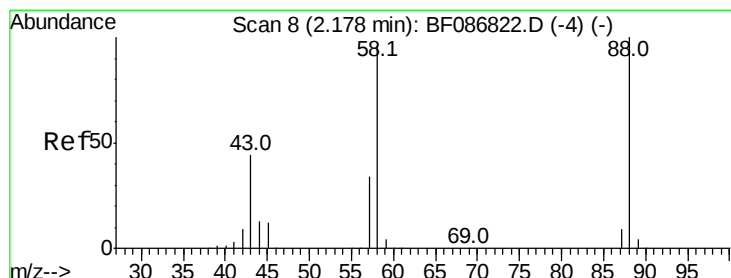
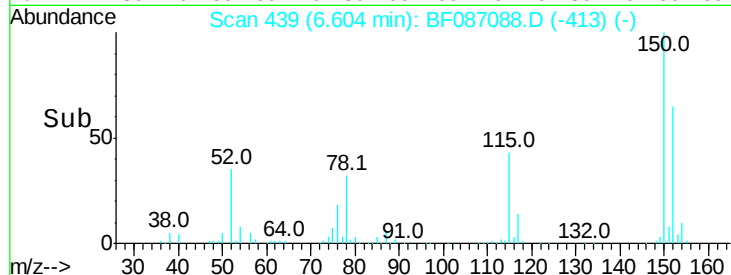
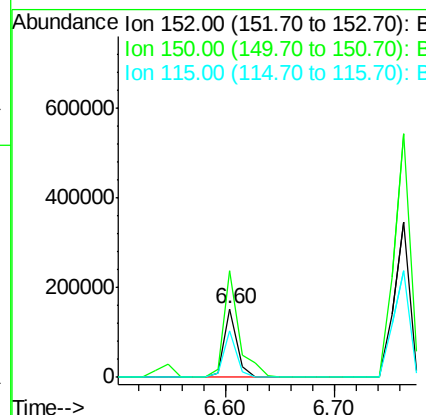
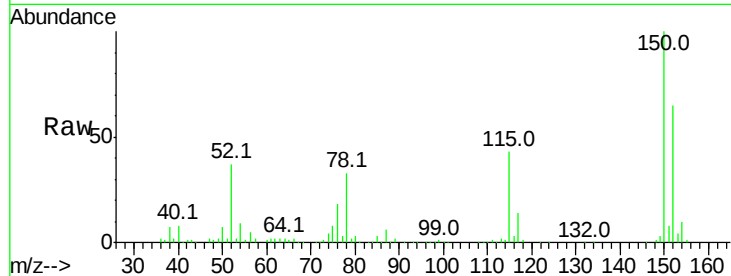
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.8	188.6
115	66.7	51.5	77.3

Manual Integrations
APPROVED

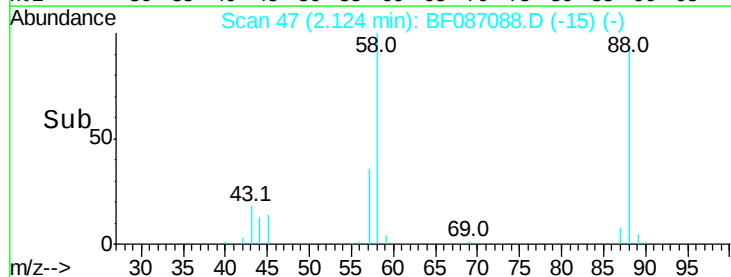
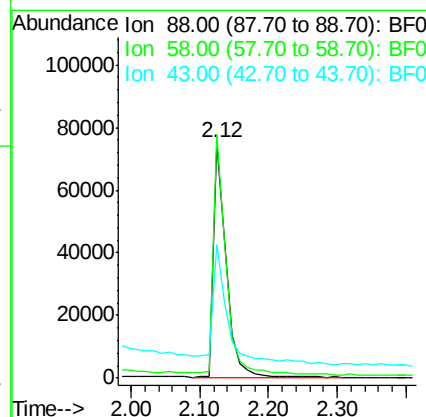
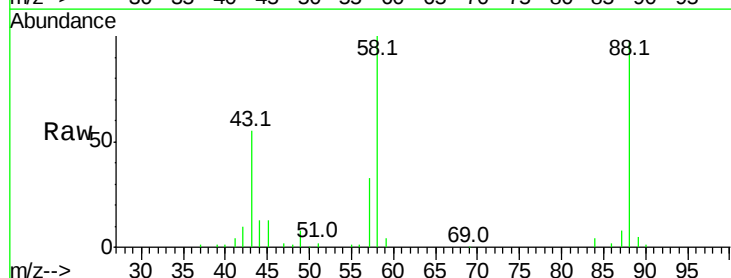
umangi
5/17/2016 7:15:45 PM

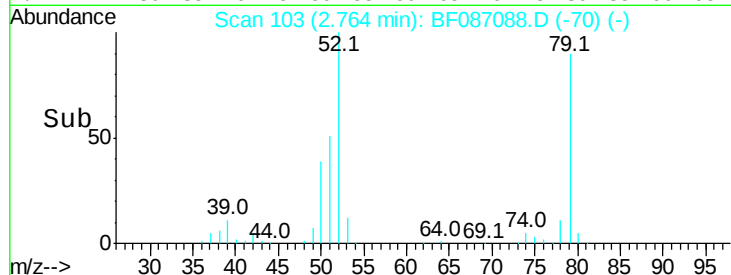
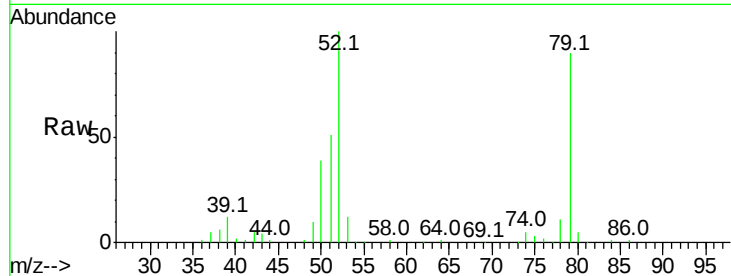
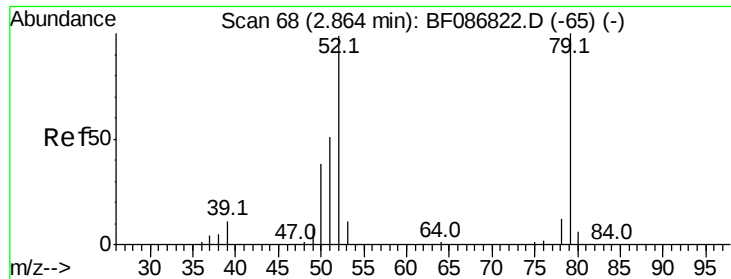


#2

1,4-Dioxane
Concen: 26.77 ng
RT: 2.12 min Scan# 47
Delta R.T. 0.07 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	95.8	59.6	89.4#
43	57.7	21.8	32.6#





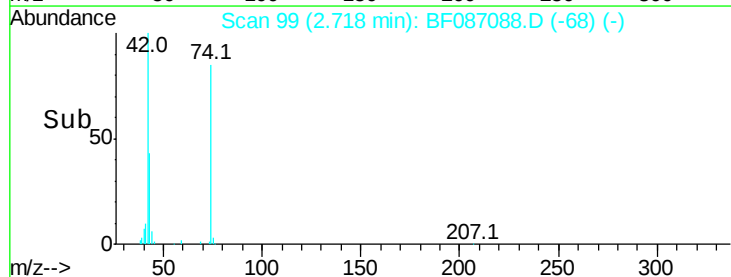
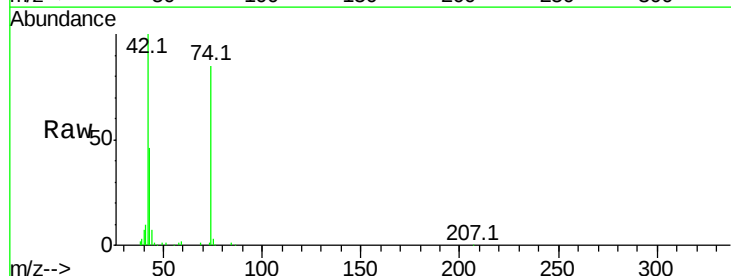
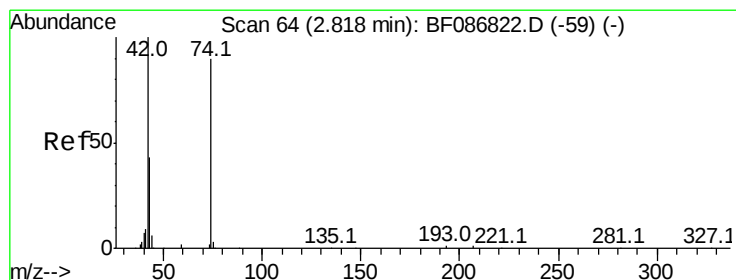
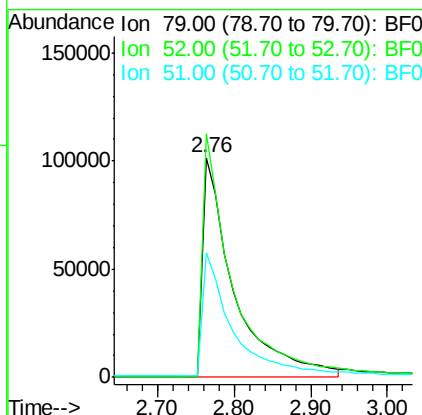
#3
Pvridine
Concen: 31.37 ng
RT: 2.76 min Scan# 103
Delta R.T. 0.08 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	110.9	55.9	83.9#	
51	57.0	28.1	42.1#	

Instrument :
BNA_F
ClientSampleId :
PB90651BS

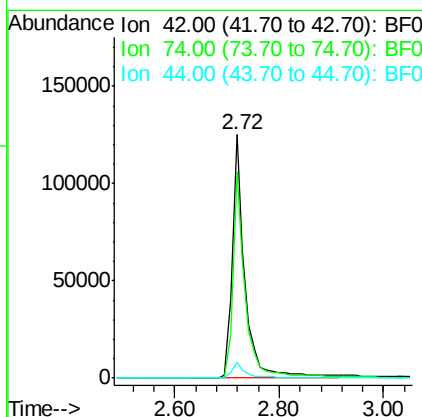
Manual Integrations
APPROVED

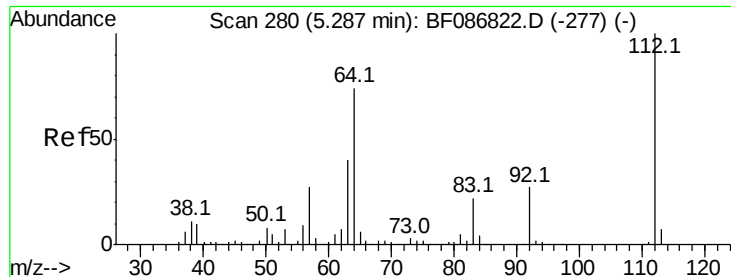
umangi
5/17/2016 7:15:45 PM



#4
n-Nitrosodimethylamine
Concen: 31.88 ng
RT: 2.72 min Scan# 99
Delta R.T. 0.06 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	84.7	123.4	185.0#	
44	6.5	5.8	8.6	





#5

2-Fluorophenol

Concen: 101.31 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

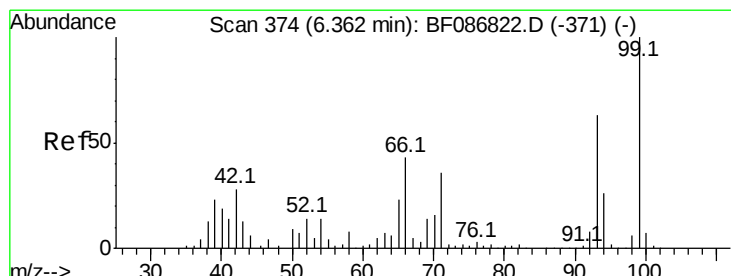
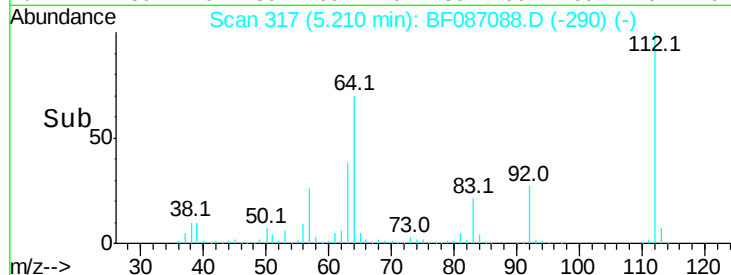
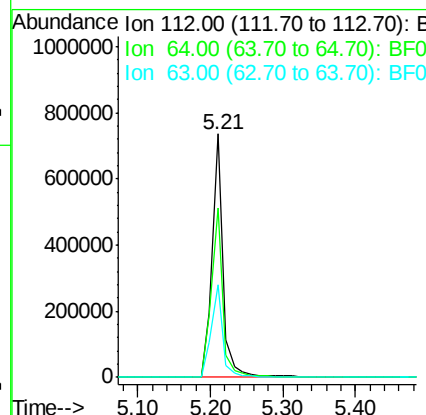
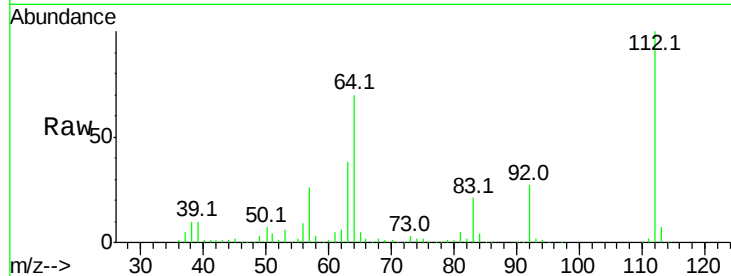
ClientSampleId :

PB90651BS

Tot Ion:	112	Resp:	782592
Ion Ratio	Lower	Upper	
112	100		
64	69.8	52.1	78.1
63	38.3	25.7	38.5

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#6

Aniline

Concen: 18.12 ng

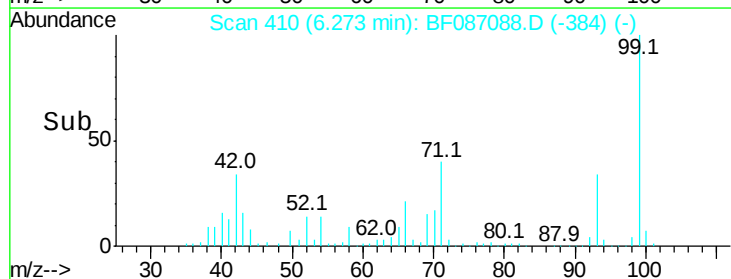
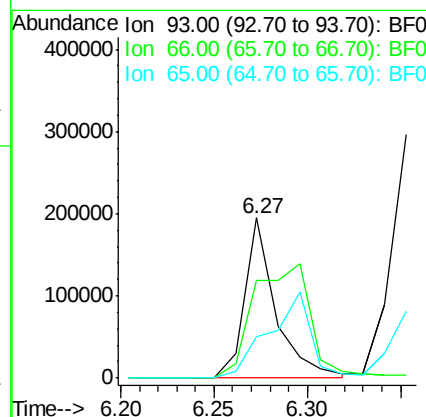
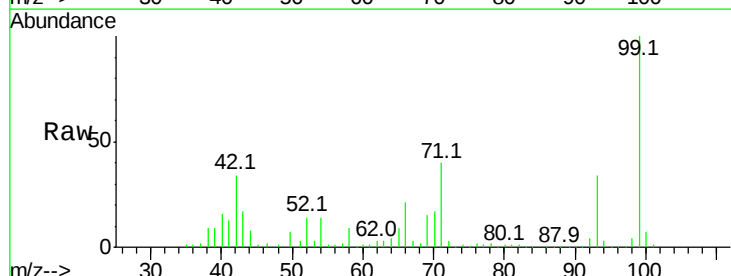
RT: 6.27 min Scan# 410

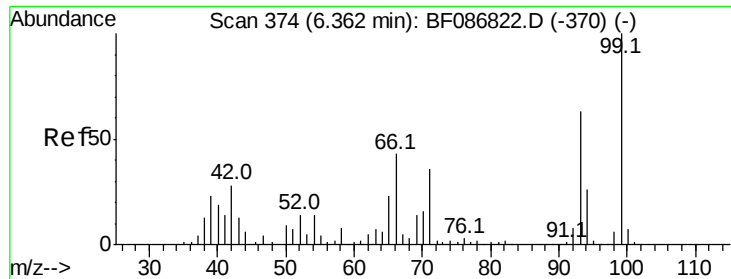
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	93	Resp:	226221
Ion Ratio	Lower	Upper	
93	100		
66	61.2	39.0	58.6#
65	25.6	20.6	31.0





#7

Phenol-d6

Concen: 98.45 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

ClientSampleId :

PB90651BS

Tot Ion: 99 Resp: 1016357

Ion Ratio Lower Upper

99 100

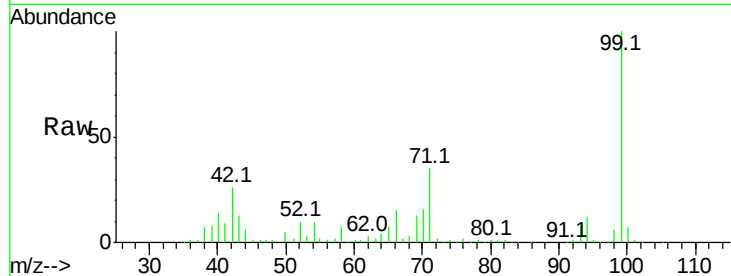
42 25.8 13.6 20.4#

71 35.4 24.6 36.8

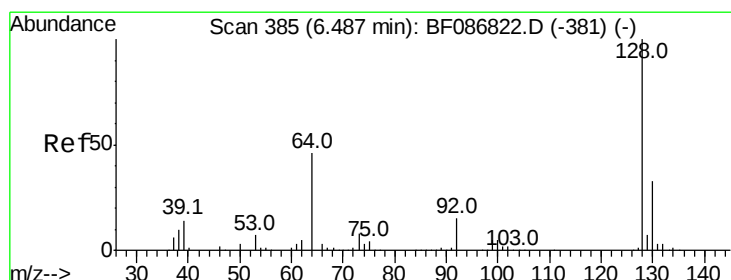
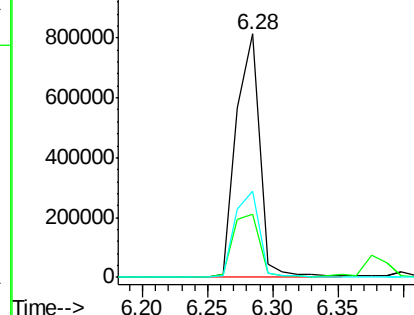
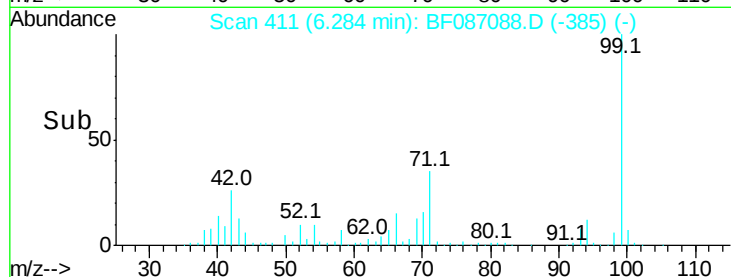
Manual Integrations
APPROVED

umangi

5/17/2016 7:15:45 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 30.57 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

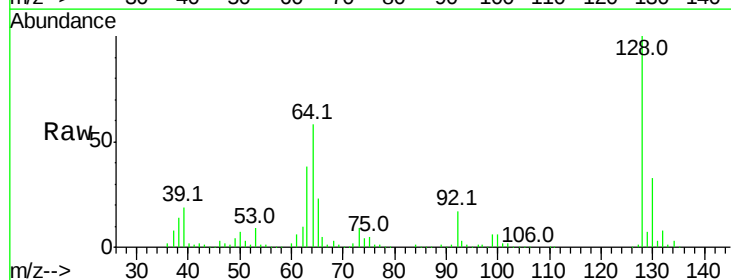
Tgt Ion:128 Resp: 284972

Ion Ratio Lower Upper

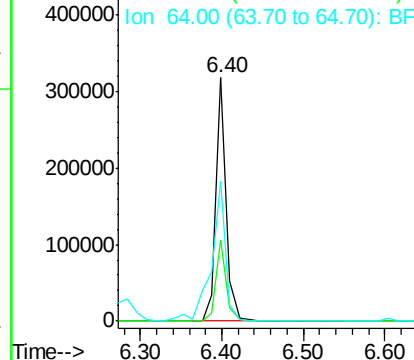
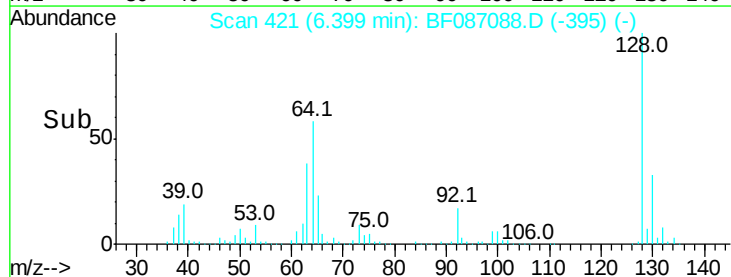
128 100

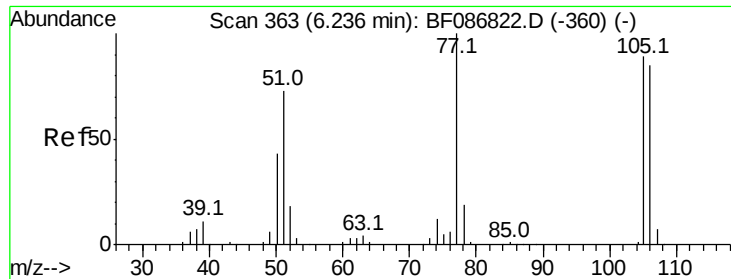
130 33.4 12.5 52.5

64 57.5 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





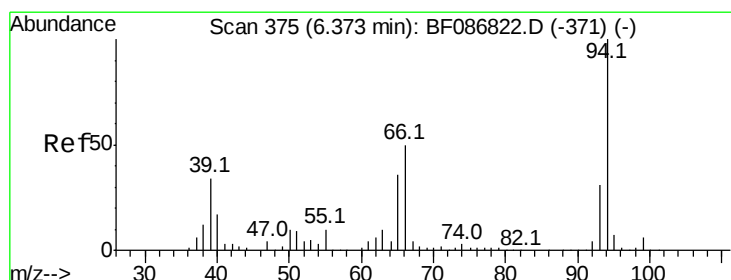
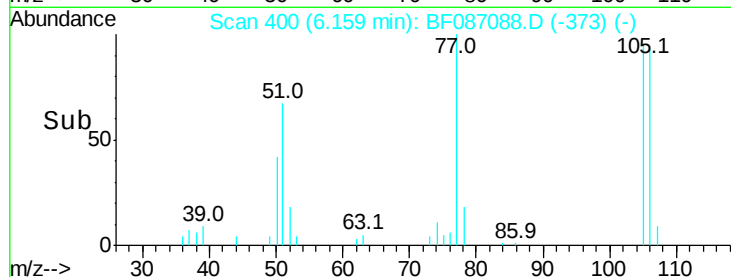
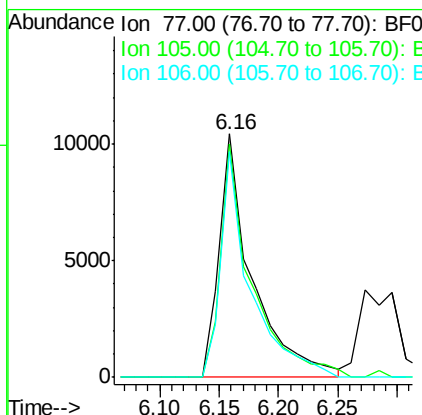
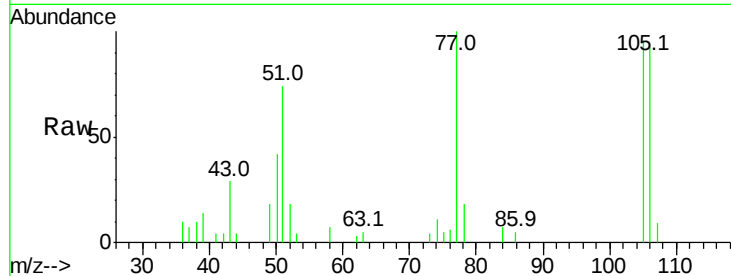
#9
Benzaldehyde
Concen: 3.33 ng
RT: 6.16 min Scan# 400
Delta R.T. 0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion: 77 Resp: 19926
Ion Ratio Lower Upper
77 100
105 95.7 72.7 112.7
106 92.8 70.8 110.8

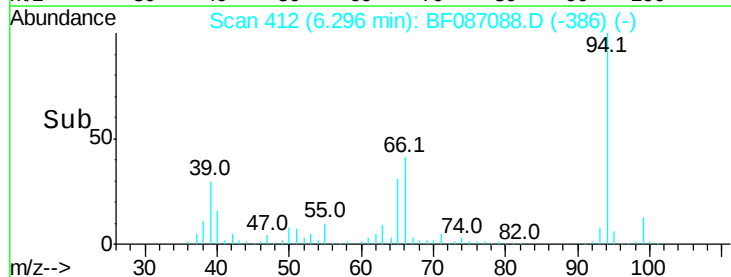
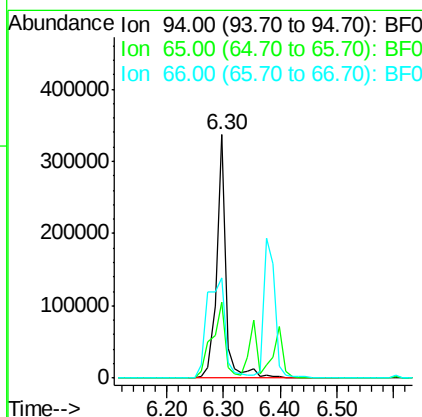
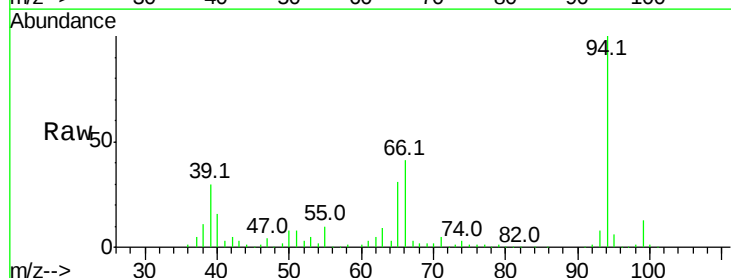
Manual Integrations
APPROVED

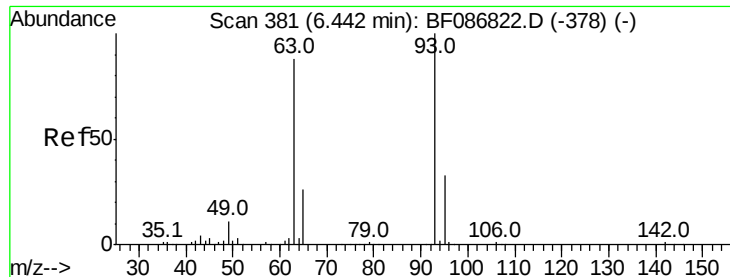
umangi
5/17/2016 7:15:45 PM



#10
Phenol
Concen: 31.11 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion: 94 Resp: 381785
Ion Ratio Lower Upper
94 100
65 30.9 7.2 47.2
66 41.1 14.9 54.9





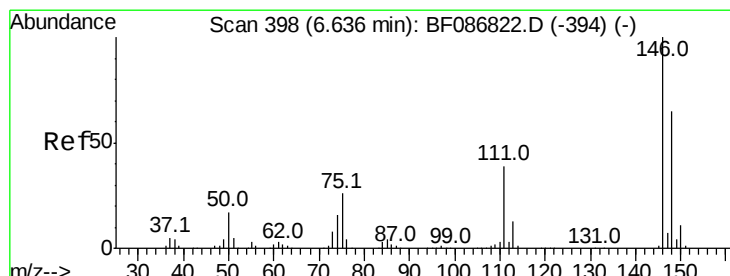
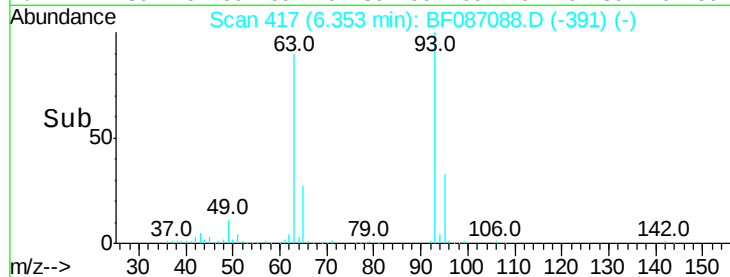
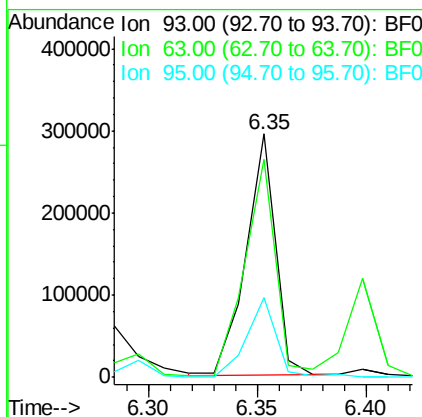
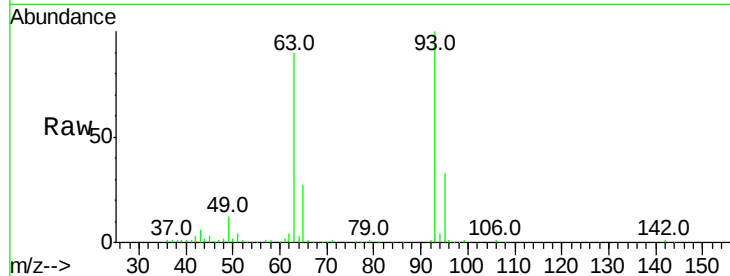
#11
bis(2-Chloroethyl)ether
Concen: 28.54 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	273113		
63	89.6	58.0	98.0	
95	32.8	11.9	51.9	

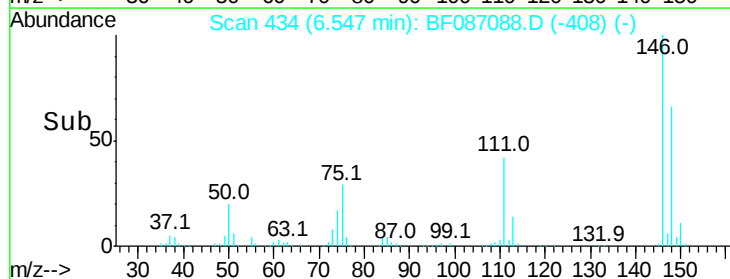
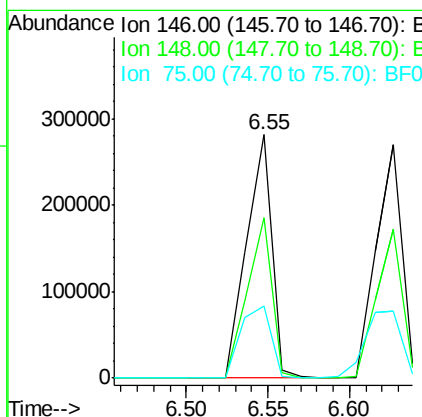
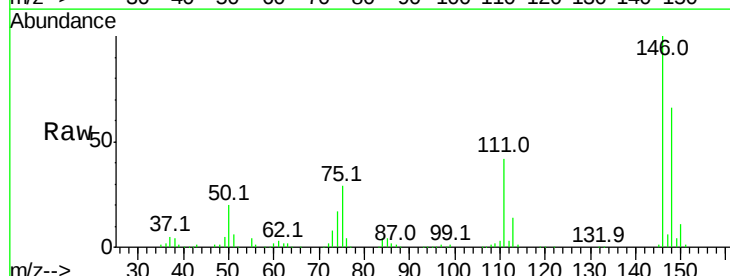
Manual Integrations
APPROVED

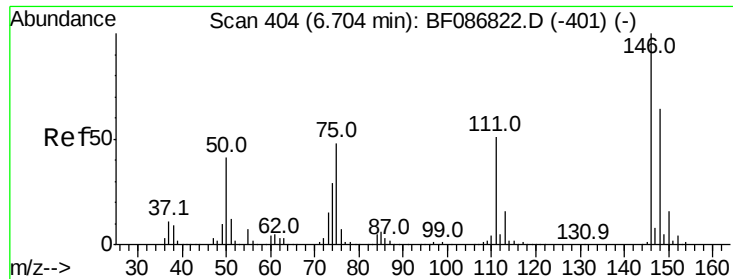
umangi
5/17/2016 7:15:45 PM



#12
1,3-Dichlorobenzene
Concen: 29.99 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	302474		
148	65.9	52.4	78.6	
75	29.4	22.8	34.2	





#13

1,4-Dichlorobenzene

Concen: 29.73 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

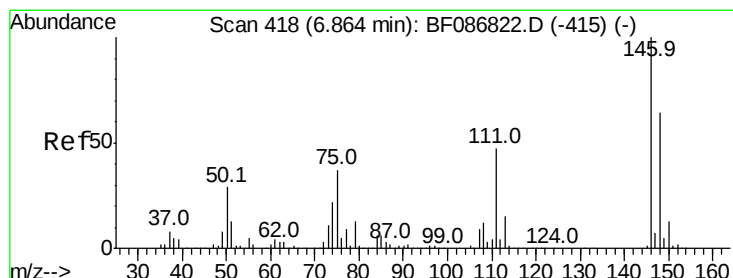
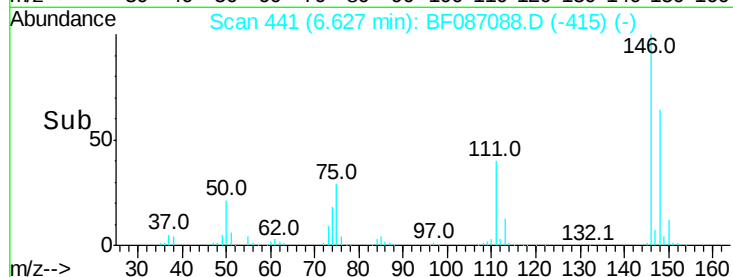
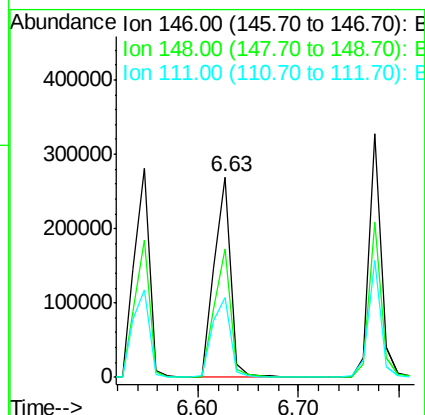
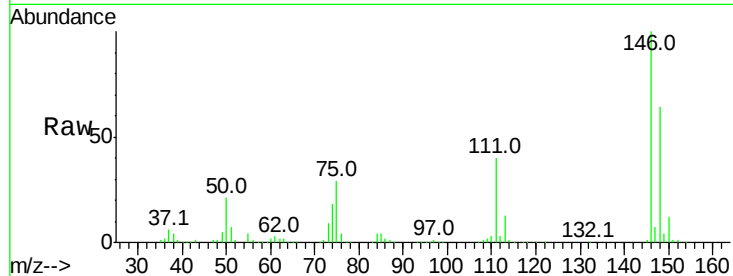
ClientSampleId :

PB90651BS

Tot Ion:	146	Resp:	305776
Ion Ratio	Lower	Upper	
146	100		
148	64.1	52.2	78.4
111	39.9	30.7	46.1

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#14

1,2-Dichlorobenzene

Concen: 31.25 ng

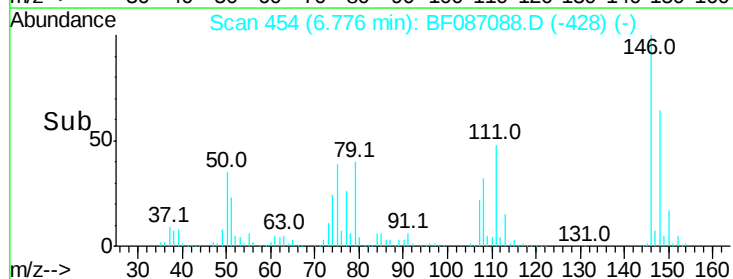
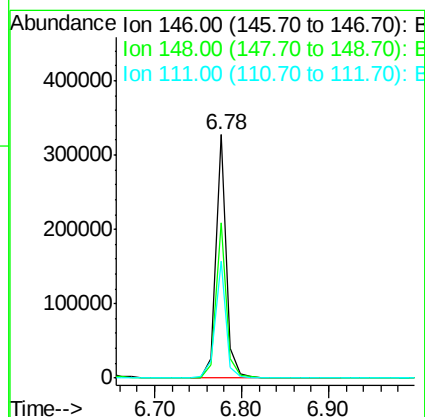
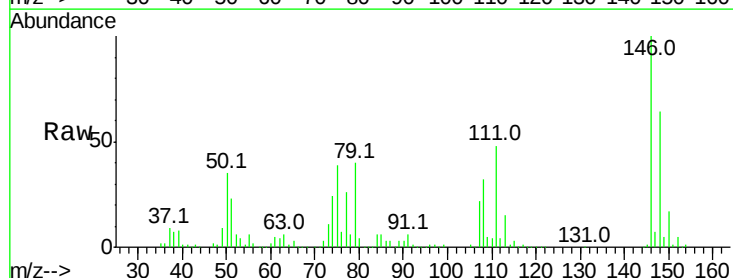
RT: 6.78 min Scan# 454

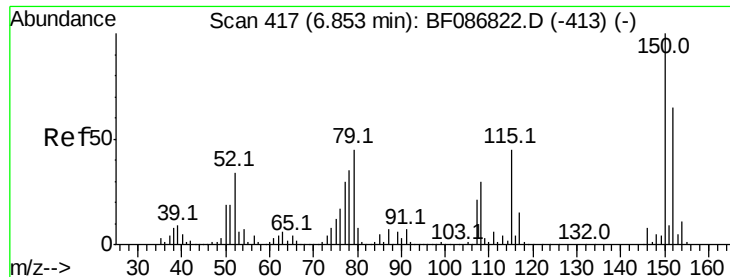
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	146	Resp:	280209
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.0	76.6
111	47.8	36.2	54.4





#15

Benzyl Alcohol

Concen: 33.87 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

ClientSampleId :

PB90651BS

Tot Ion: 79 Resp: 241447

Ion Ratio Lower Upper

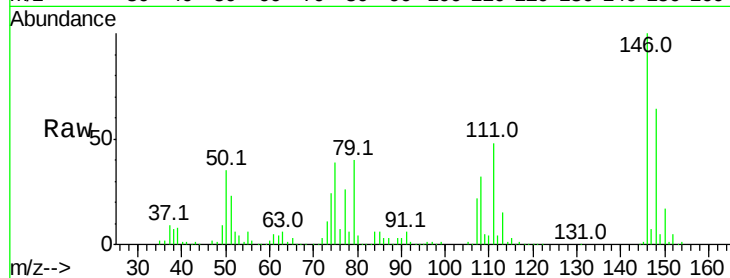
79 100

108 78.6 68.4 102.6

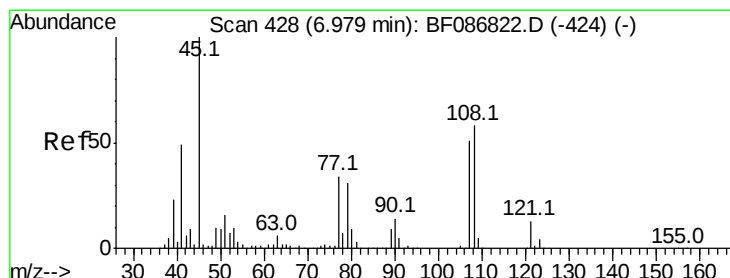
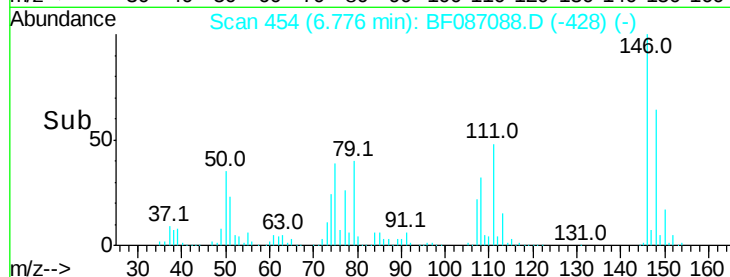
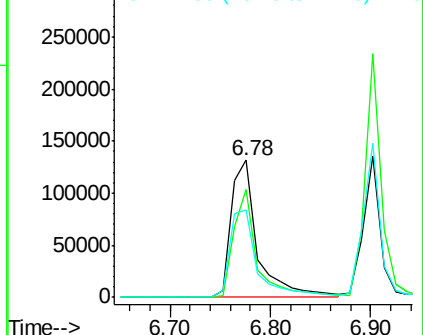
77 63.7 50.6 76.0

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.73 ng

RT: 6.90 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

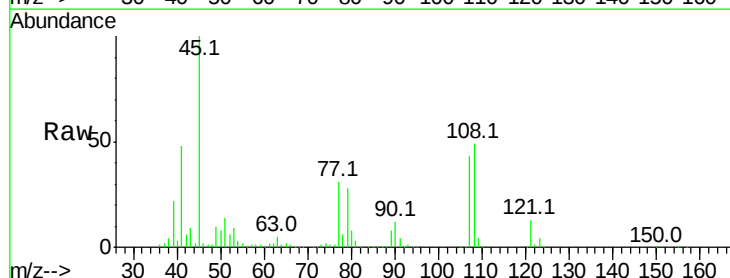
Tgt Ion: 45 Resp: 618375

Ion Ratio Lower Upper

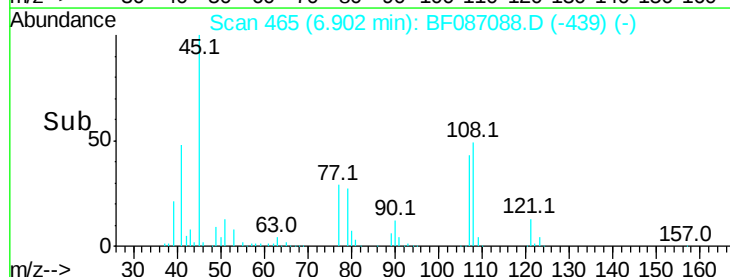
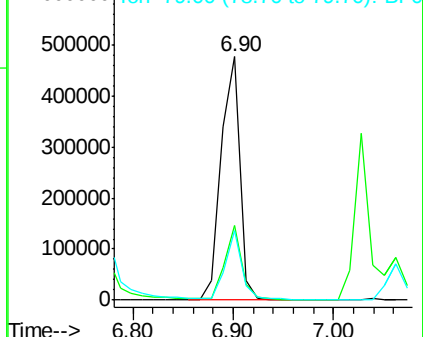
45 100

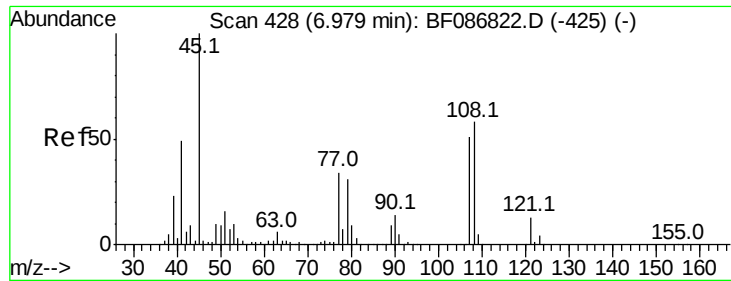
77 30.9 0.0 36.4

79 28.3 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 30.71 ng/ml

RT: 6.90 min Scan# 465

Delta R.T. -0.16 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

ClientSampleID :

PB90651BS

Tot Ion:107 Resp: 227796

Ion Ratio Lower Upper

107 100

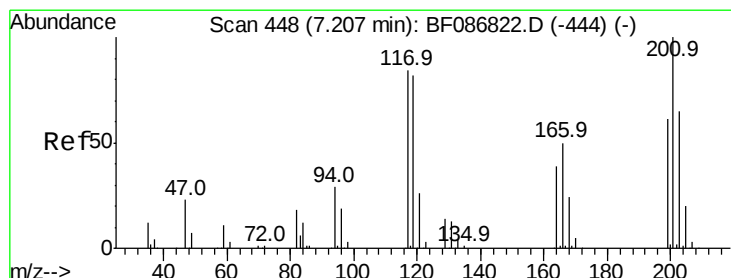
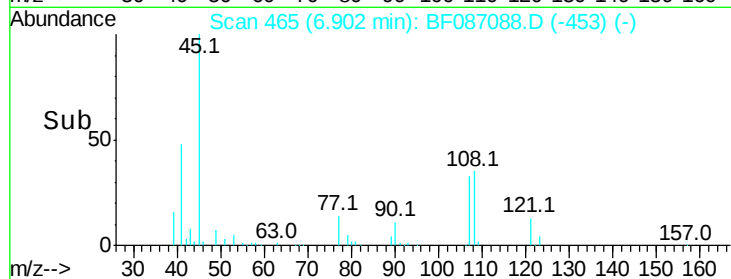
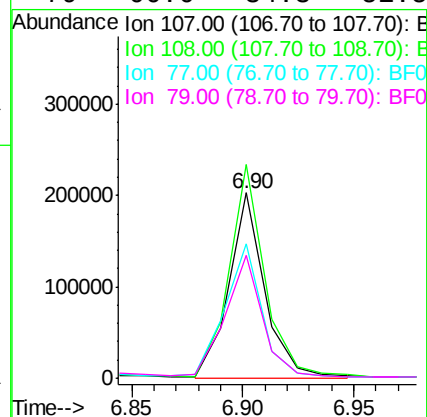
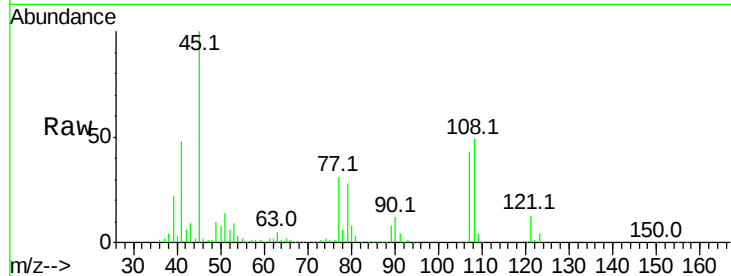
108 115.1 93.7 140.5

77 72.6 33.4 50.0#

79 66.6 34.3 51.5#

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#18

Hexachloroethane

Concen: 22.04 ng/ml

RT: 7.12 min Scan# 484

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

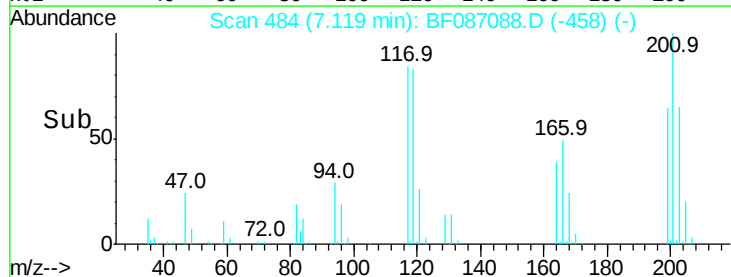
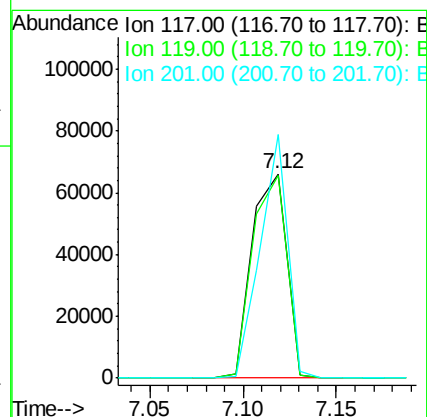
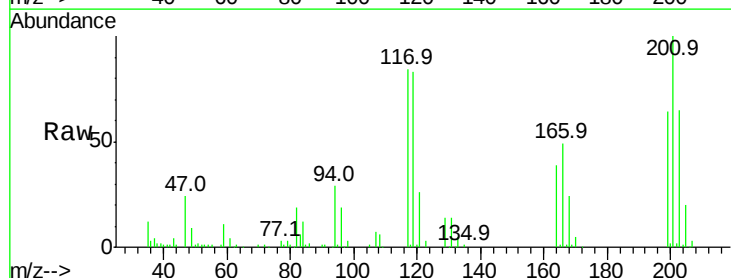
Tgt Ion:117 Resp: 85300

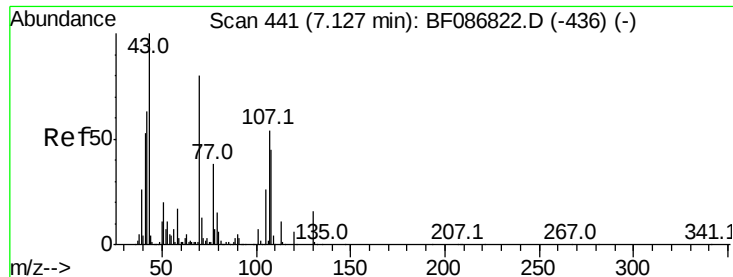
Ion Ratio Lower Upper

117 100

119 99.1 76.5 114.7

201 119.3 63.0 94.6#





#19

n-Nitroso-di-n-propylamine

Concen: 33.94 ng/ml

RT: 7.04 min Scan# 477

Delta R.T. -0.15 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

ClientSampleId :

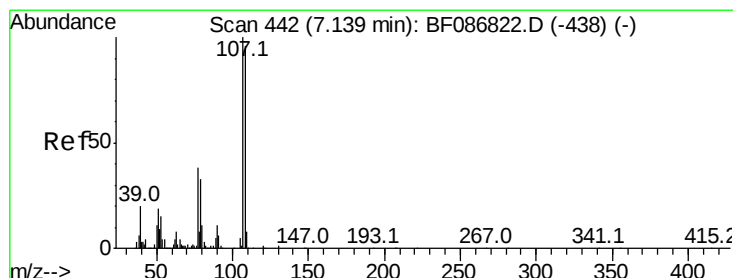
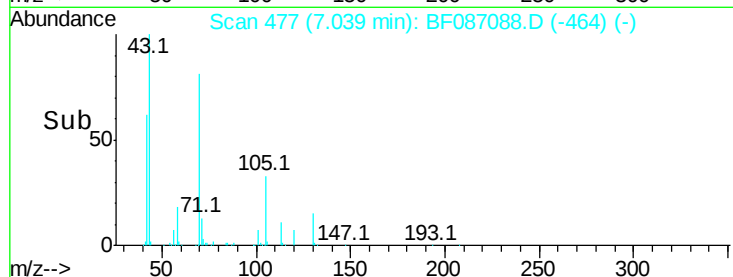
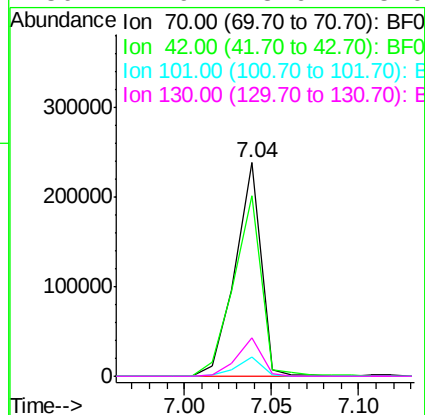
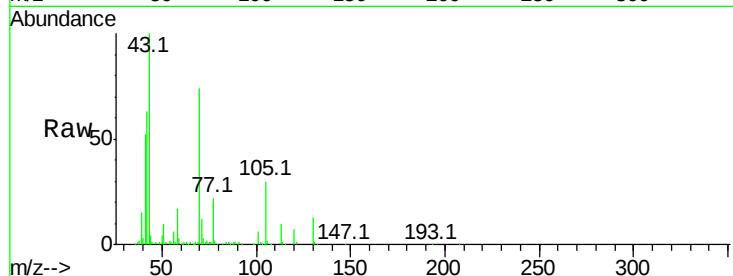
PB90651BS

Tot Ion: 70 Resp: 244856
Ion Ratio Lower Upper

70	100		
42	84.3	43.1	64.7#
101	8.7	8.1	12.1
130	17.9	18.6	28.0#

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#20

3+4-Methylphenols

Concen: 31.71 ng/ml

RT: 7.06 min Scan# 479

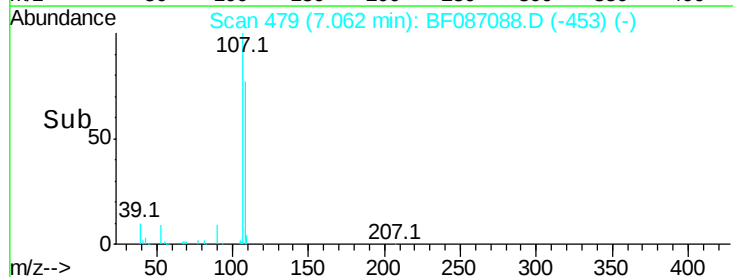
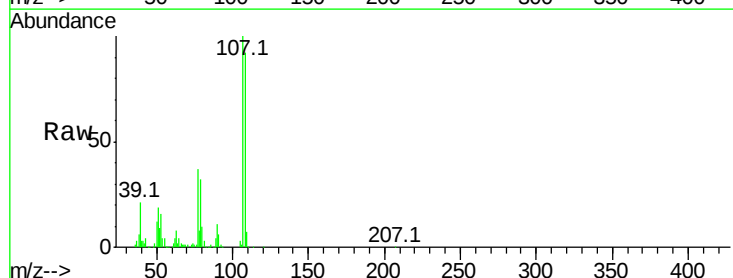
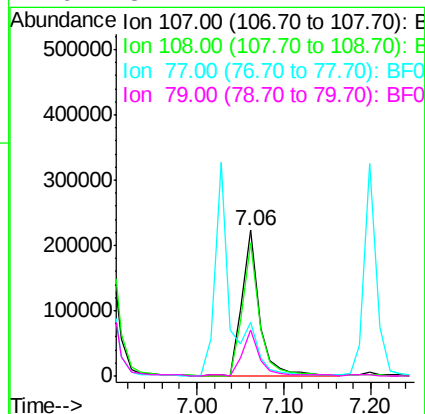
Delta R.T. -0.00 min

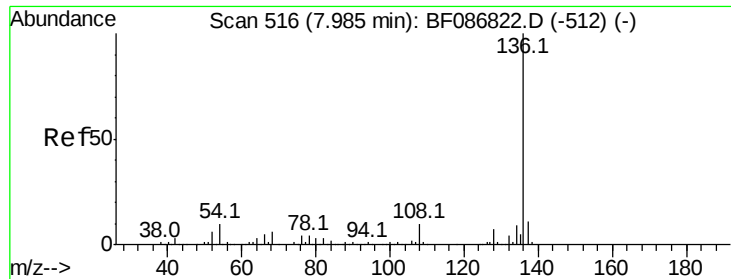
Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion: 107 Resp: 307213
Ion Ratio Lower Upper

107	100		
108	91.7	68.5	108.5
77	37.3	101.6	141.6#
79	31.7	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

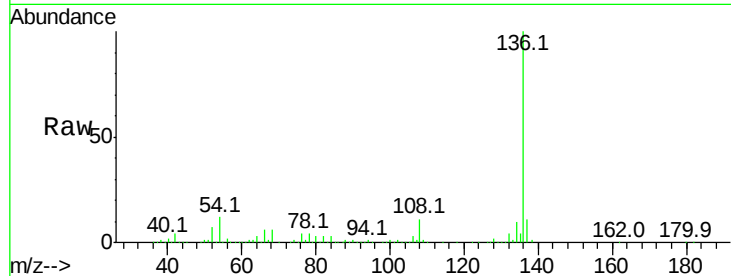
ClientSampleId :

PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	509302		
137	11.1	8.8	13.2	
54	11.8	5.0	7.4#	
68	6.3	4.4	6.6	

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM

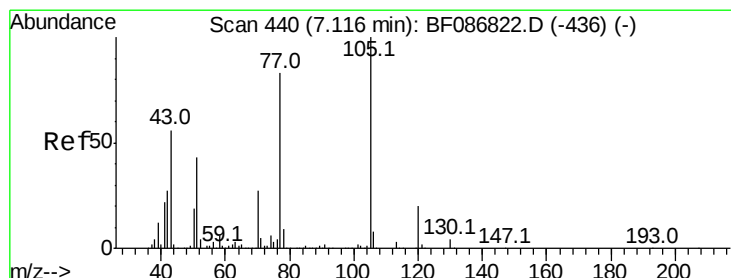
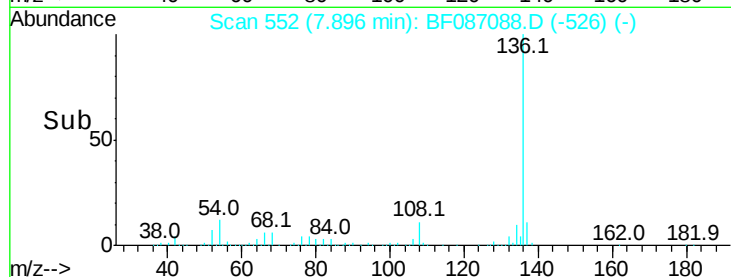
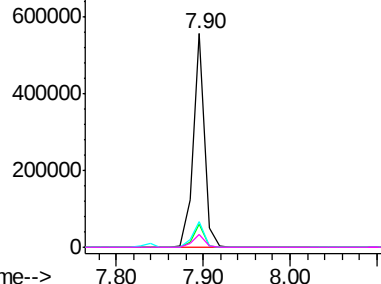


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 33.06 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

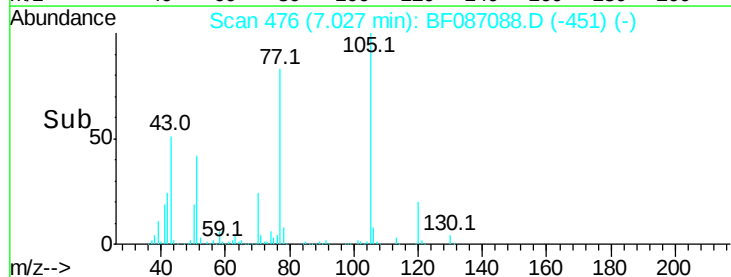
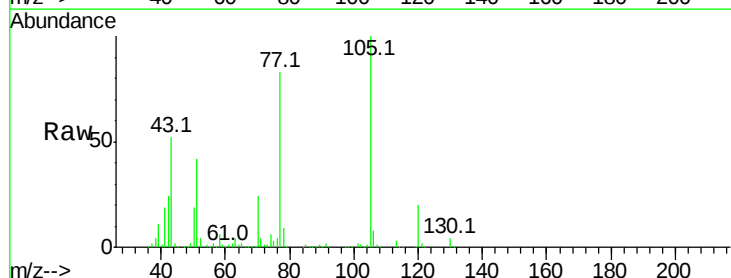
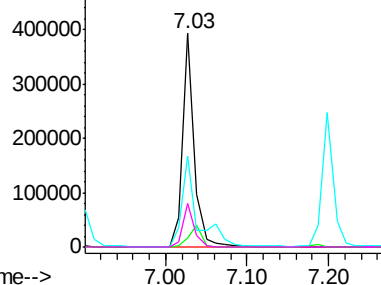
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	397758		
71	4.1	4.8	7.2#	
51	42.4	32.6	49.0	
120	20.2	16.5	24.7	

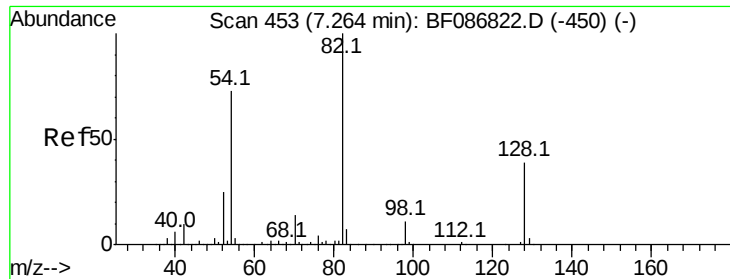
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





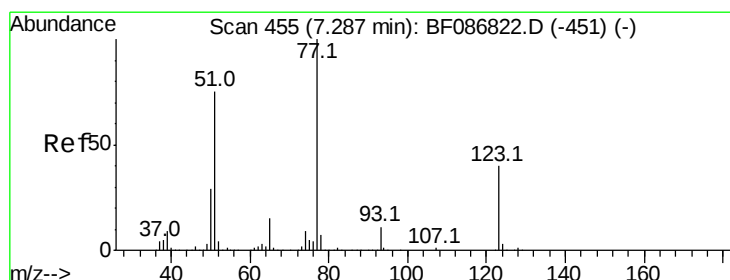
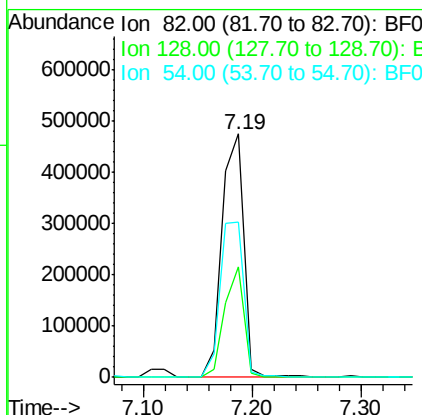
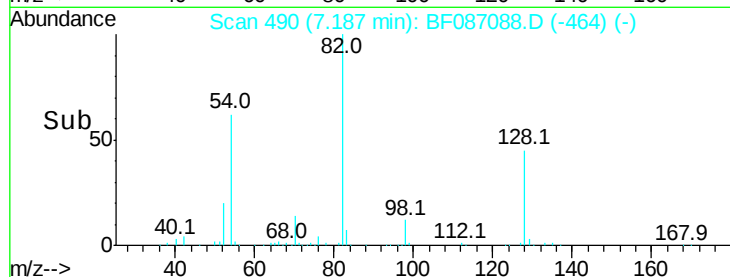
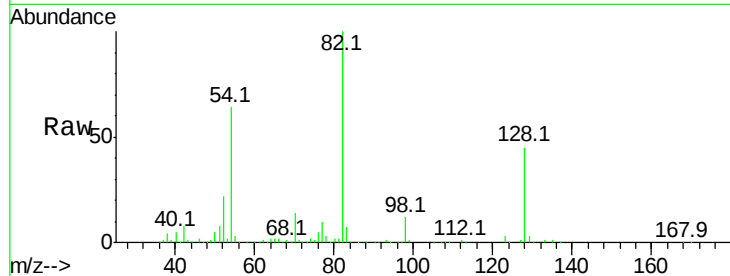
#23
 Nitrobenzene-d5
 Concen: 65.27 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	661996		
128	45.4		40.6	61.0
54	63.5		38.1	57.1#

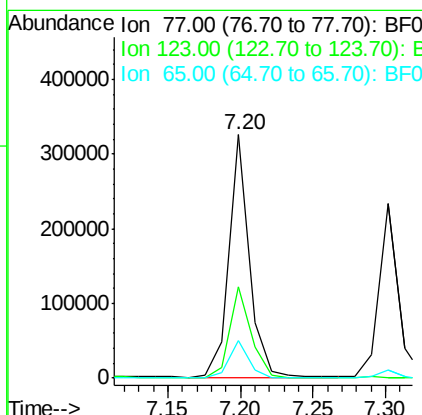
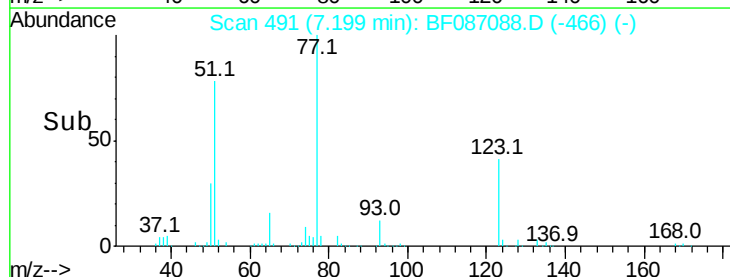
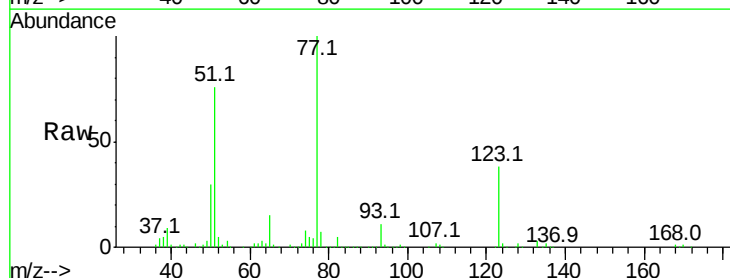
Manual Integrations
 APPROVED

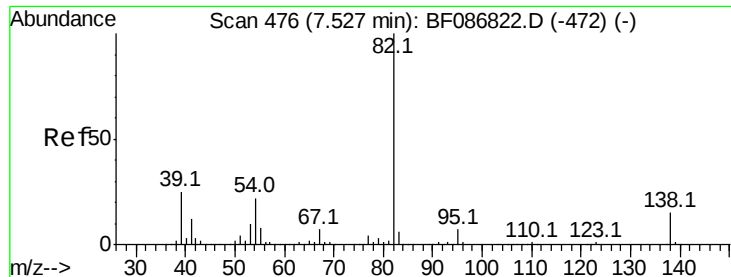
umangi
 5/17/2016 7:15:45 PM



#24
 Nitrobenzene
 Concen: 30.42 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	317372		
123	37.8		33.0	49.4
65	15.4		10.8	16.2





#25

Isophorone

Concen: 29.08 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

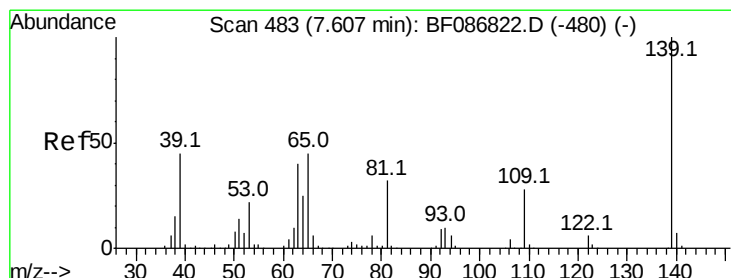
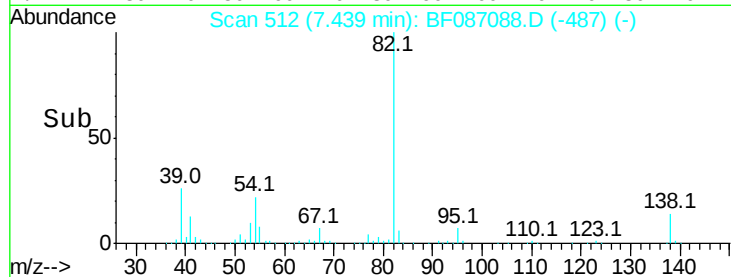
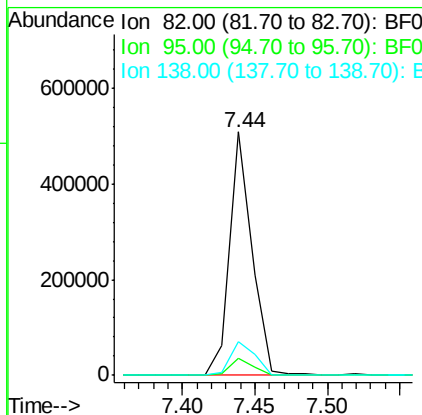
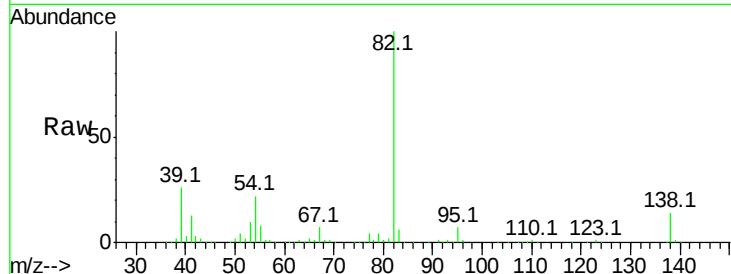
ClientSampleId :

PB90651BS

Tot Ion:	82	Resp:	547253
Ion Ratio		Lower	Upper
82	100		
95	7.0	5.1	7.7
138	13.8	12.4	18.6

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#26

2-Nitrophenol

Concen: 24.77 ng

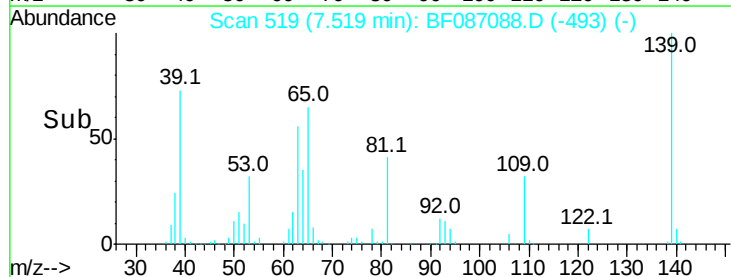
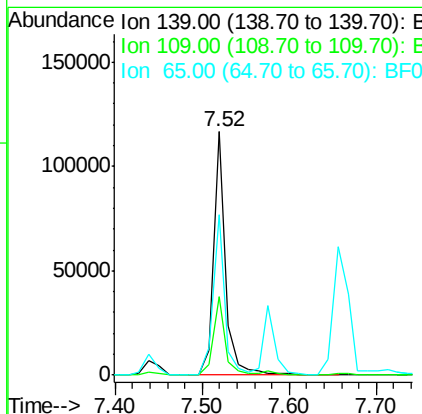
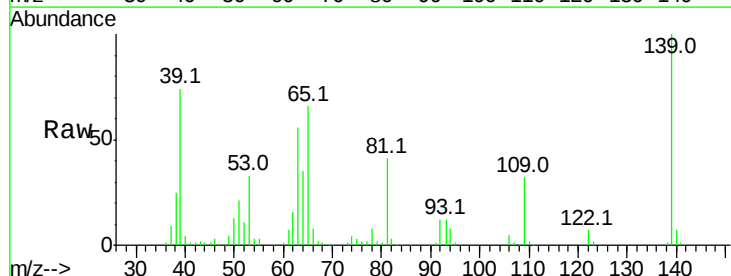
RT: 7.52 min Scan# 519

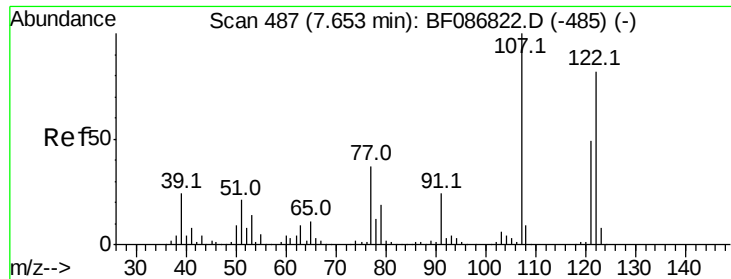
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	139	Resp:	113625
Ion Ratio		Lower	Upper
139	100		
109	32.2	19.5	29.3#
65	66.1	37.5	56.3#





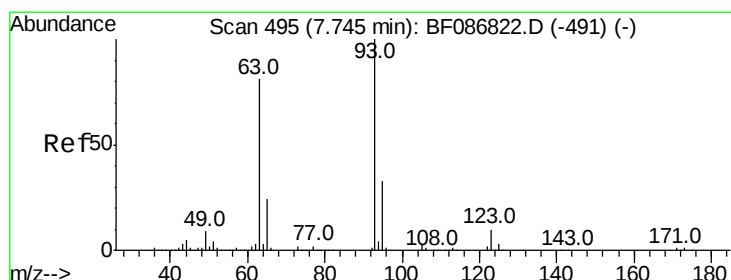
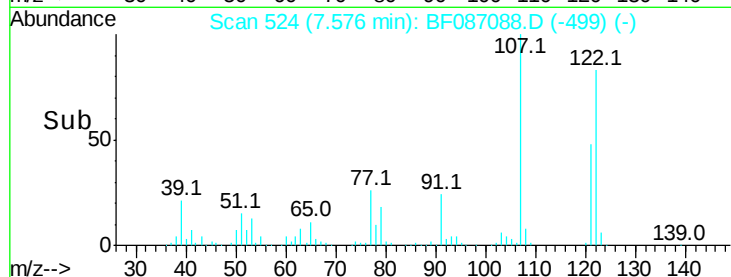
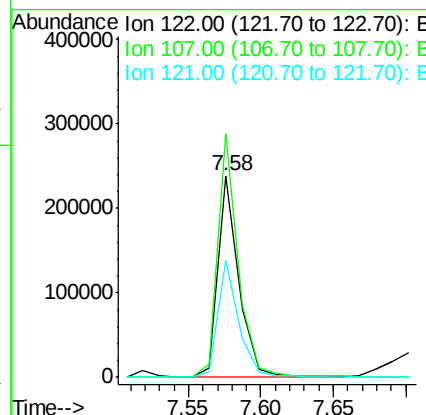
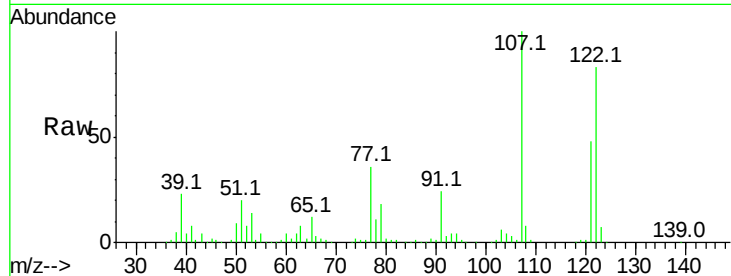
#27
 2,4-Dimethylphenol
 Concen: 30.81 ng
 RT: 7.58 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion:	122	Resp:	240709
Ion Ratio	Lower	Upper	
122	100		
107	120.8	82.0	123.0
121	57.9	46.1	69.1

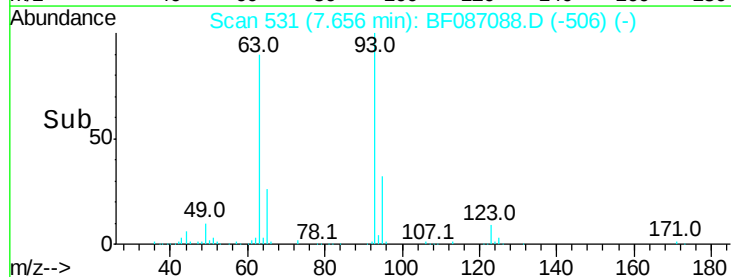
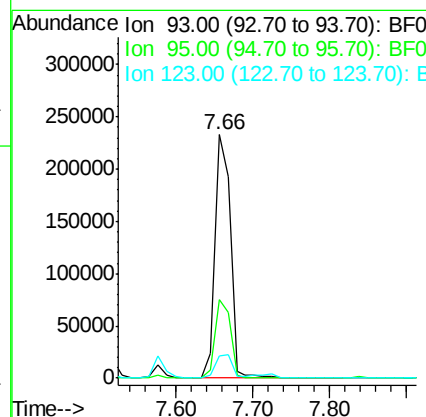
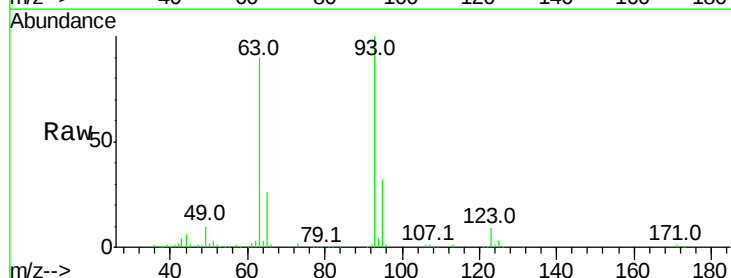
Manual Integrations
 APPROVED

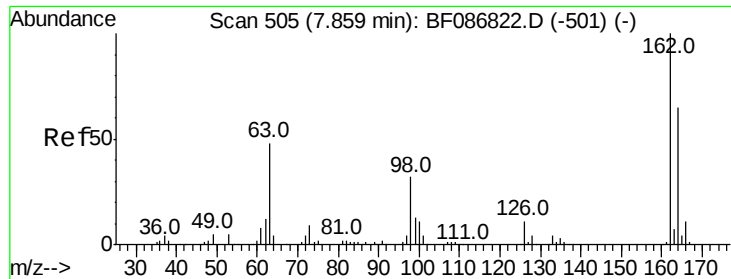
umangi
 5/17/2016 7:15:45 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 31.75 ng
 RT: 7.66 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion:	93	Resp:	322325
Ion Ratio	Lower	Upper	
93	100		
95	32.2	26.0	39.0
123	9.2	9.5	14.3#





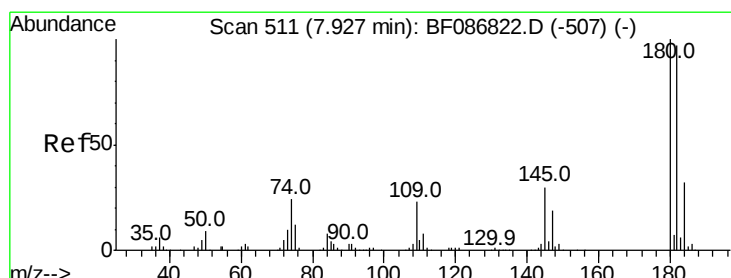
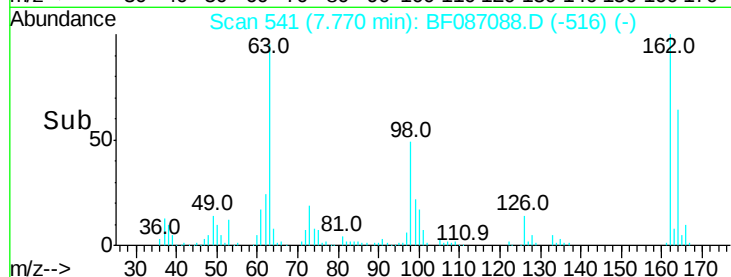
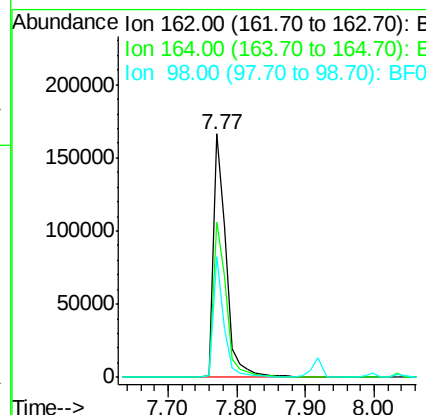
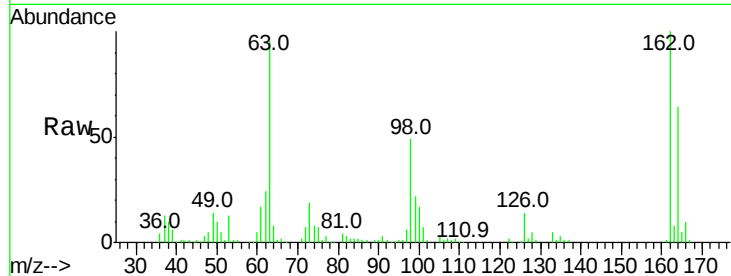
#29
 2,4-Dichlorophenol
 Concen: 31.48 ng
 RT: 7.77 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	216442		
164	63.7	42.2	82.2	
98	49.5	19.0	59.0	

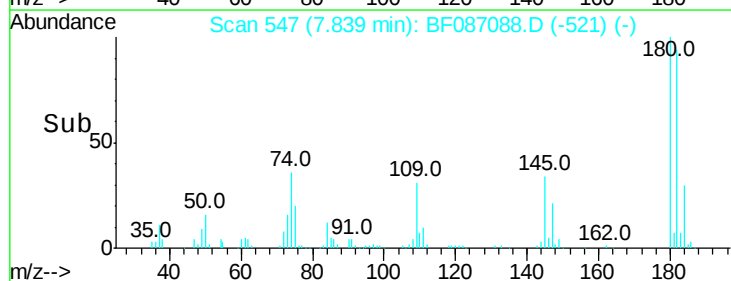
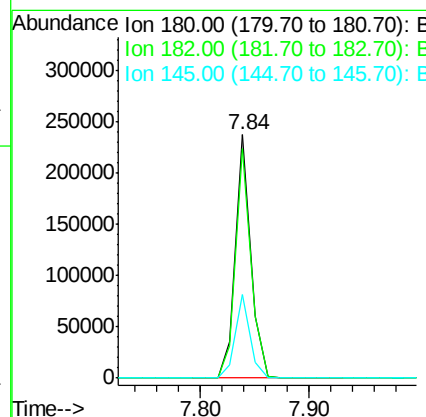
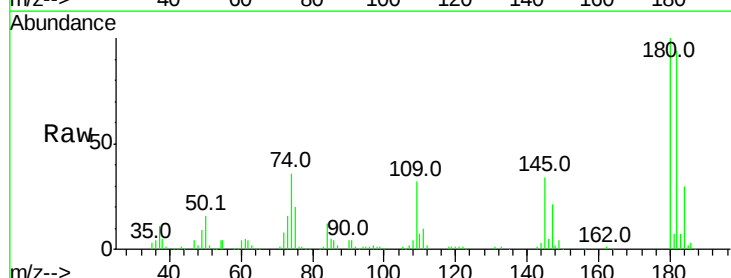
Manual Integrations
 APPROVED

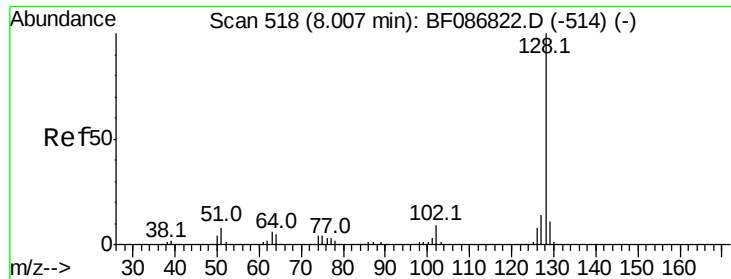
umangi
 5/17/2016 7:15:45 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 30.20 ng
 RT: 7.84 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	232220		
182	94.0	78.0	117.0	
145	34.3	24.2	36.2	





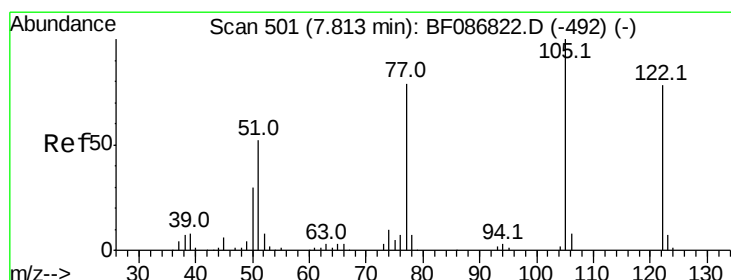
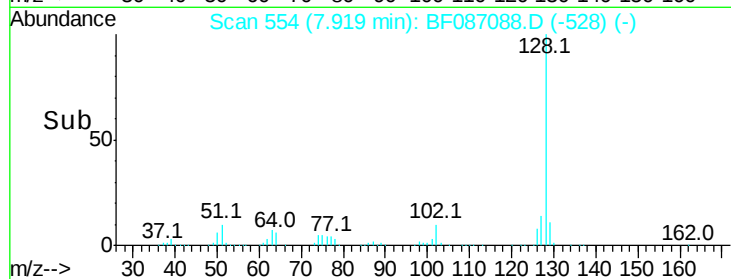
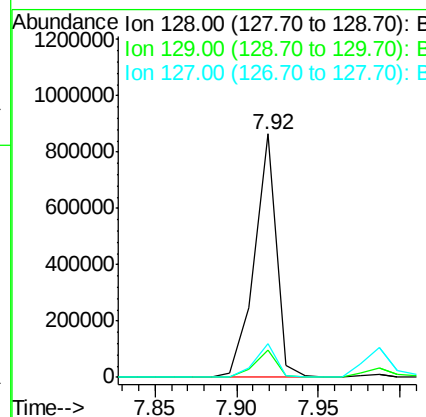
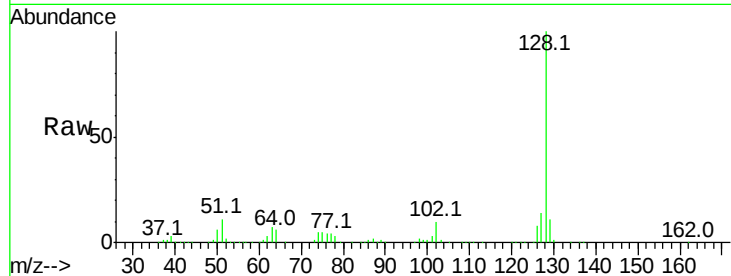
#31
Naphthalene
Concen: 31.71 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion:128	Resp:	808783
Ion Ratio	Lower	Upper
128 100		
129 11.2	8.6	13.0
127 13.6	10.8	16.2

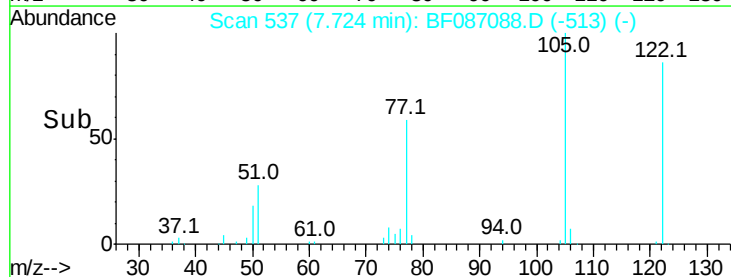
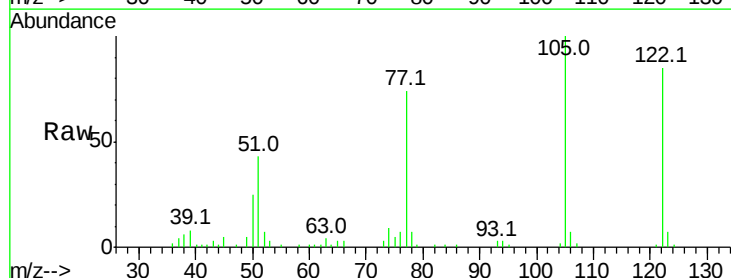
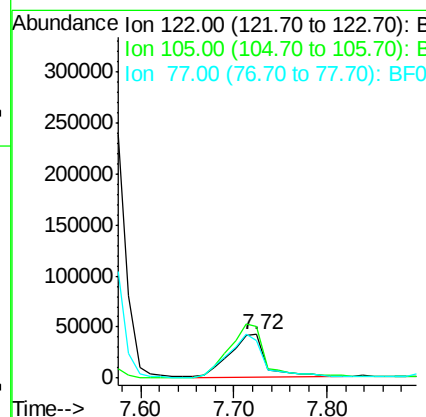
Manual Integrations
APPROVED

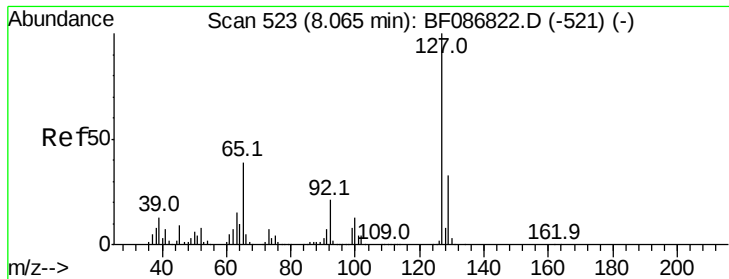
umangi
5/17/2016 7:15:45 PM



#32
Benzoic acid
Concen: 24.48 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.02 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion:122	Resp:	112312
Ion Ratio	Lower	Upper
122 100		
105 117.5	92.6	132.6
77 86.5	60.0	100.0





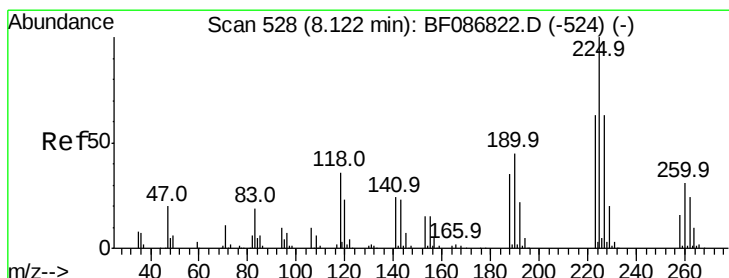
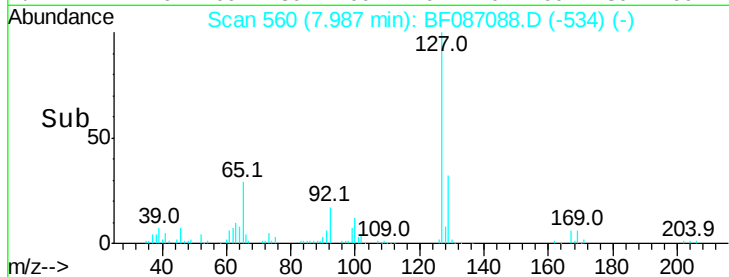
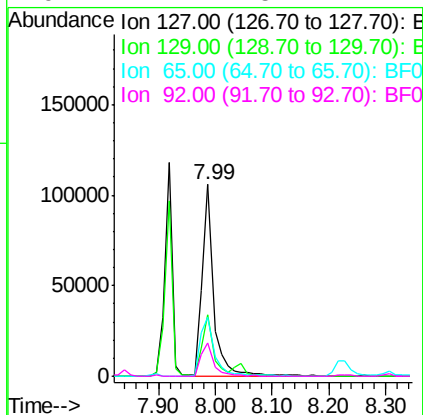
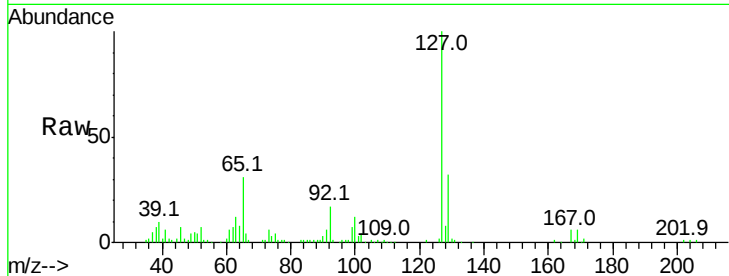
#33
 4-Chloroaniline
 Concen: 14.67 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.2	39.4		
65	31.0	23.0	34.4		
92	17.4	15.1	22.7		

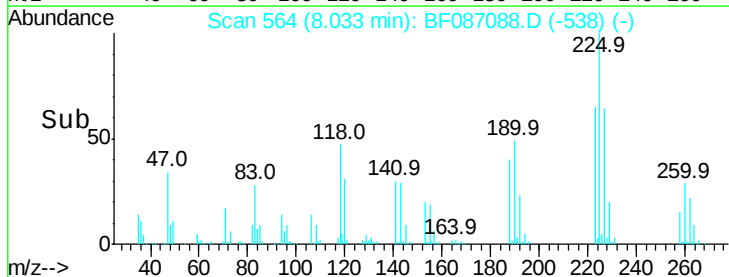
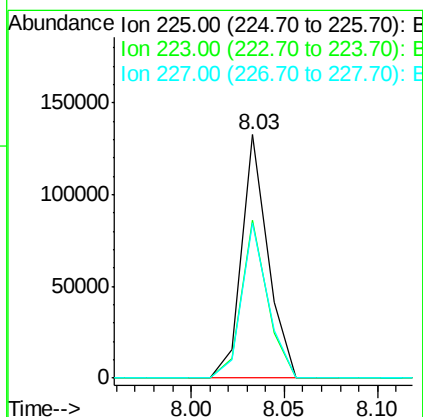
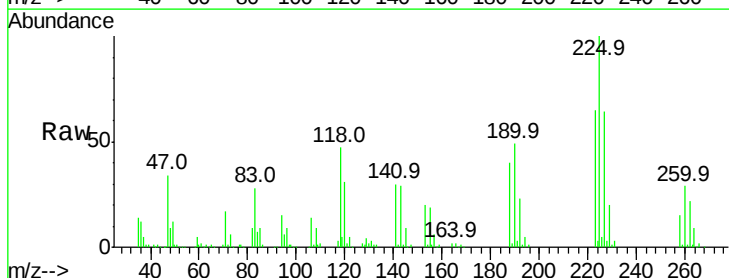
Manual Integrations
 APPROVED

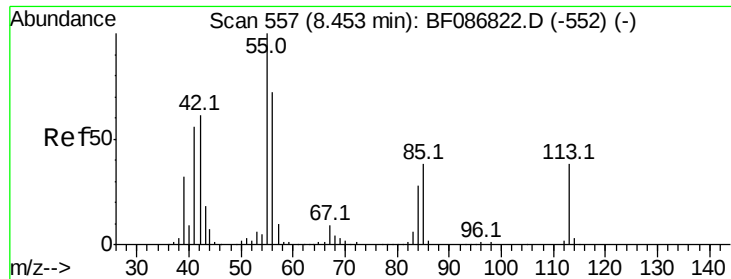
umangi
 5/17/2016 7:15:45 PM



#34
 Hexachlorobutadiene
 Concen: 29.19 ng
 RT: 8.03 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.9	51.5	77.3		
227	63.8	52.2	78.2		





#35

Caprolactam

Concen: 28.92 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.03 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

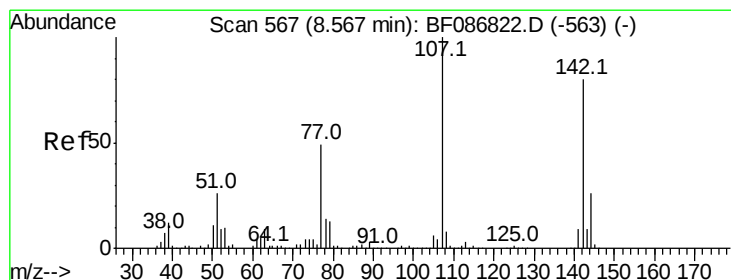
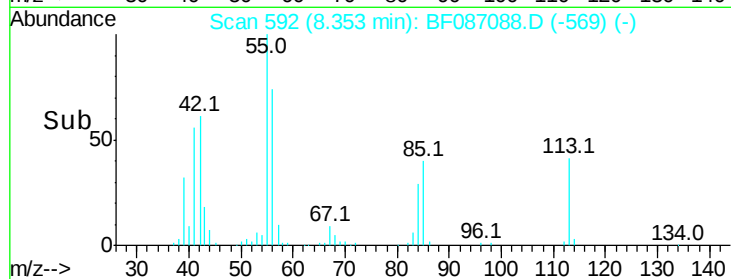
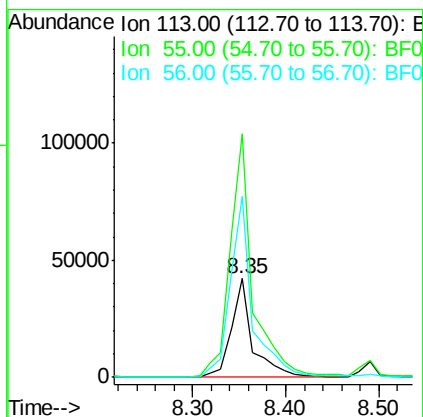
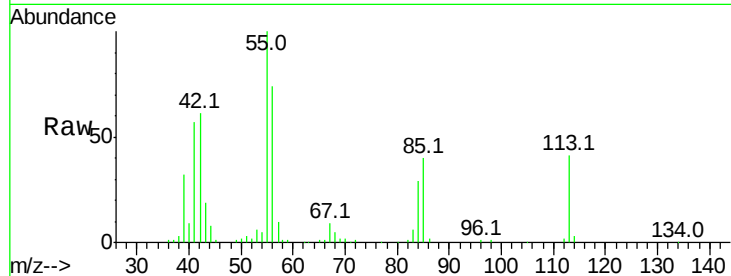
ClientSampled :

PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	246.8	162.0	202.0#	
56	183.0	115.3	155.3#	

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#36

4-Chloro-3-methylphenol

Concen: 28.25 ng

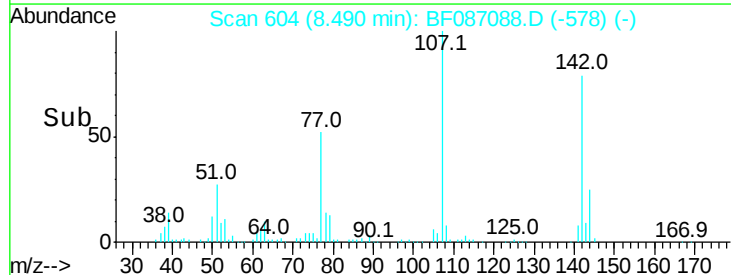
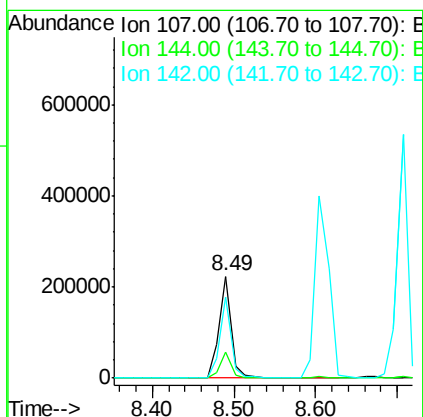
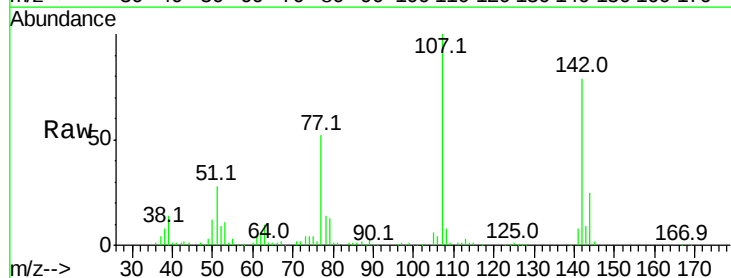
RT: 8.49 min Scan# 604

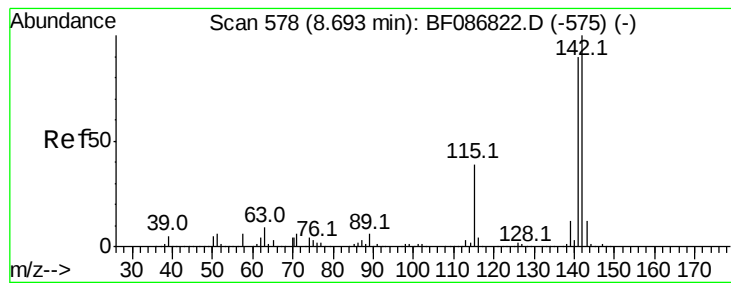
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	25.5	20.7	31.1	
142	79.4	63.2	94.8	





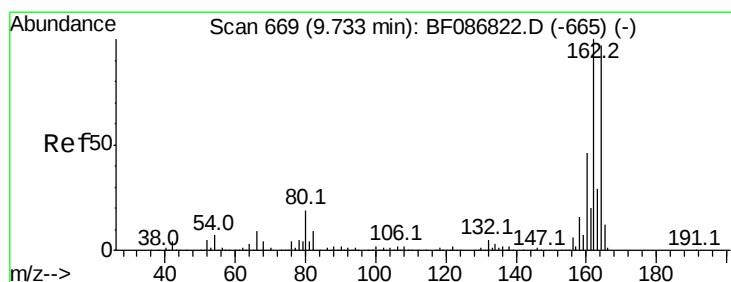
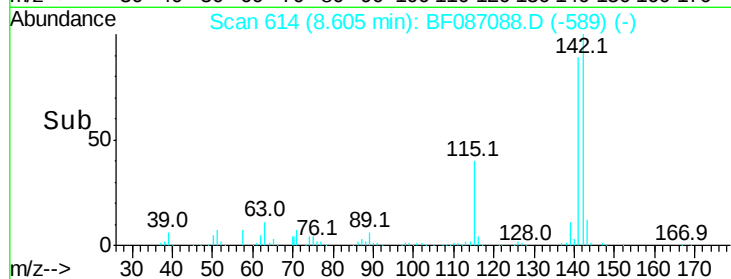
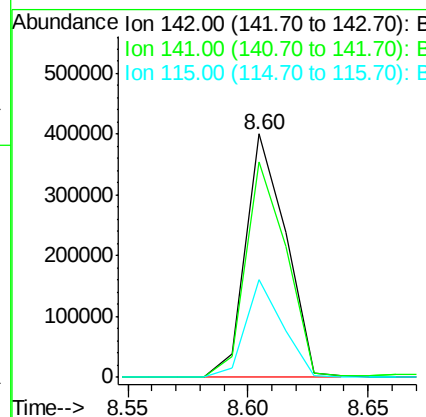
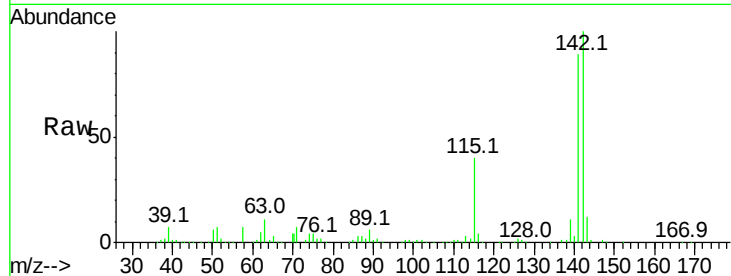
#37
2-Methylnaphthalene
Concen: 31.71 ng/ml
RT: 8.60 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampled :
PB90651BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	40.1	26.6	39.8

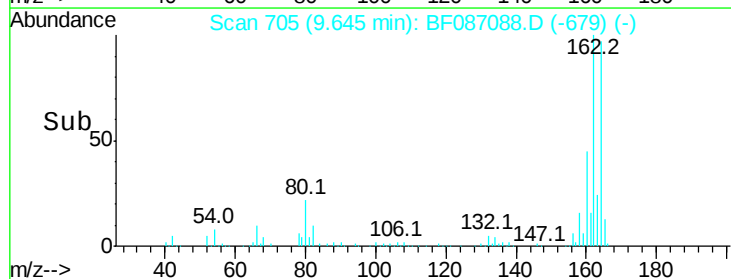
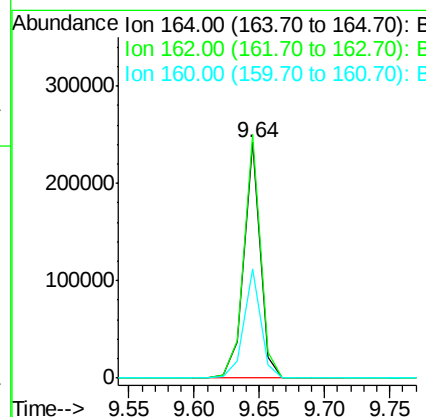
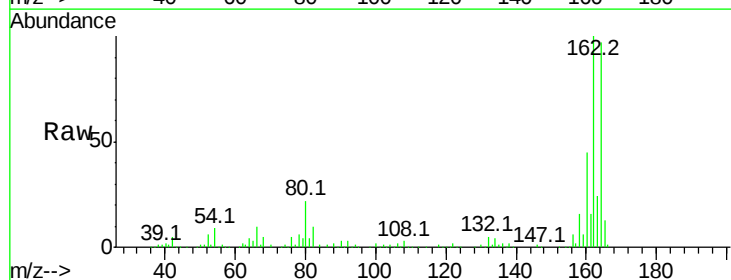
Manual Integrations
APPROVED

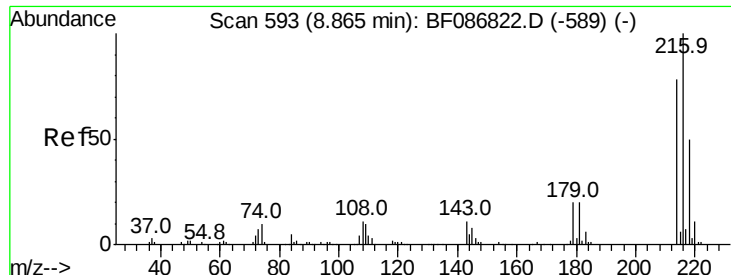
umangi
5/17/2016 7:15:45 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.8	124.2
160	46.6	36.9	55.3





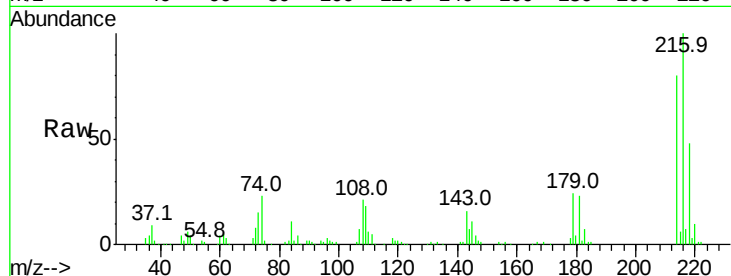
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 34.30 ng
 RT: 8.78 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

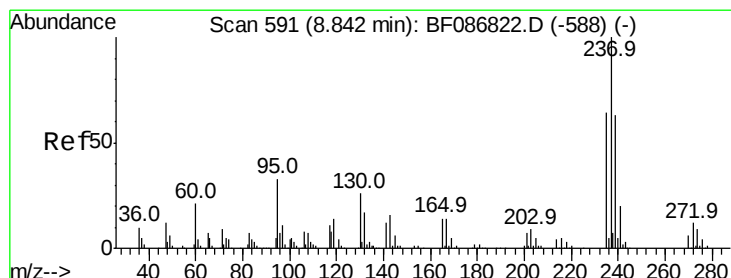
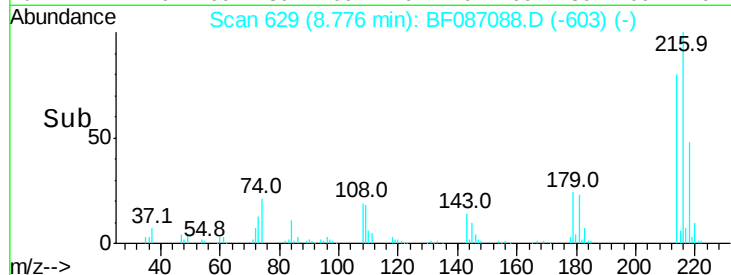
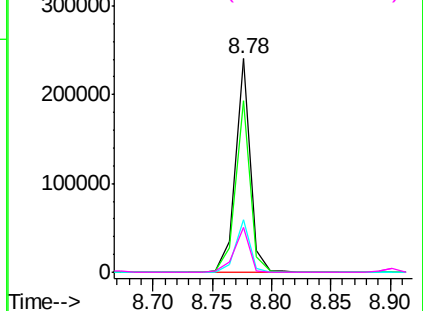
Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.4	62.6	93.8
179	23.9	18.2	27.4
108	22.1	17.5	26.3

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:15:45 PM

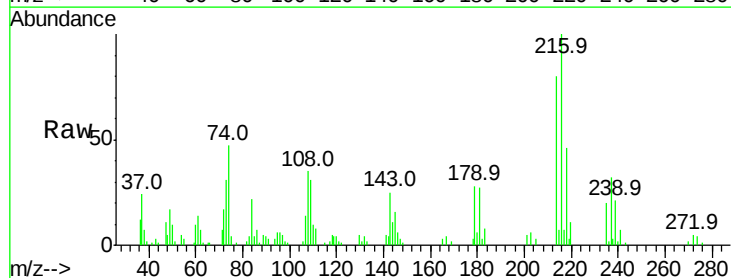


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

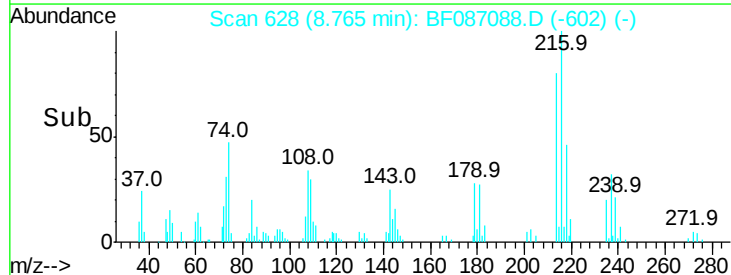
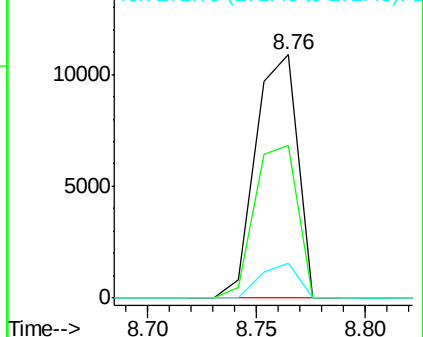


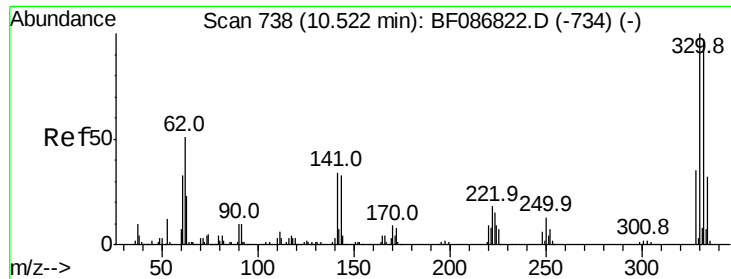
#40
 Hexachlorocyclopentadiene
 Concen: 5.08 ng
 RT: 8.76 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	62.5	47.2	87.2
272	14.5	0.0	31.1



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





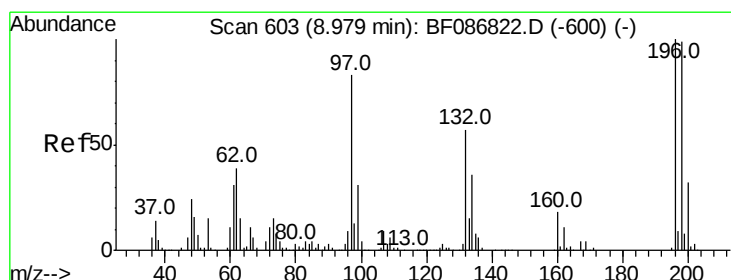
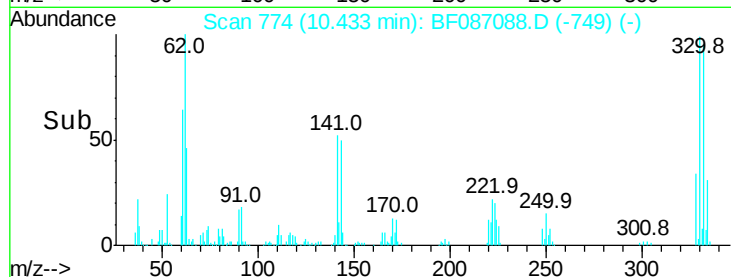
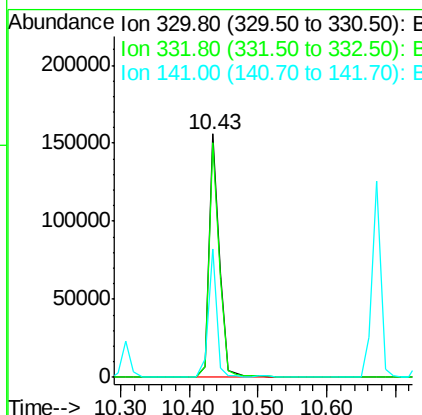
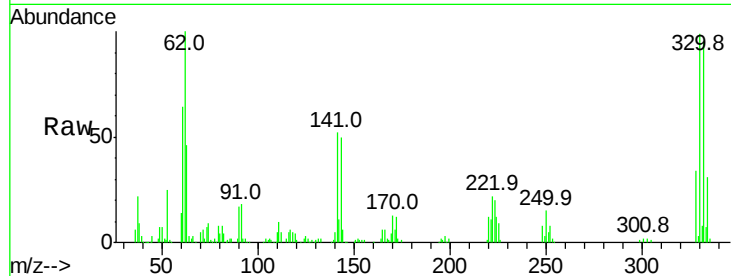
#41
 2,4,6-Tribromophenol
 Concen: 75.64 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	167261		
332	95.5	79.0	118.4	
141	42.4	31.2	46.8	

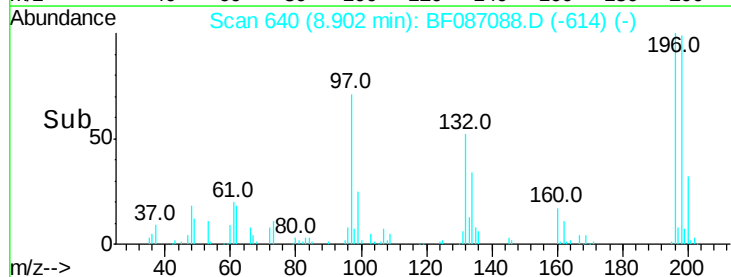
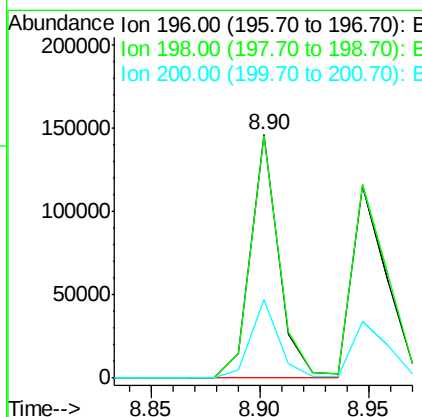
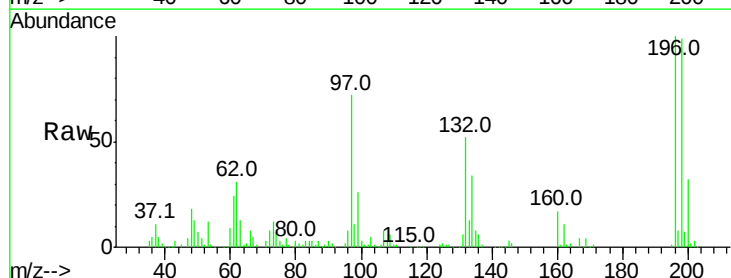
Manual Integrations
 APPROVED

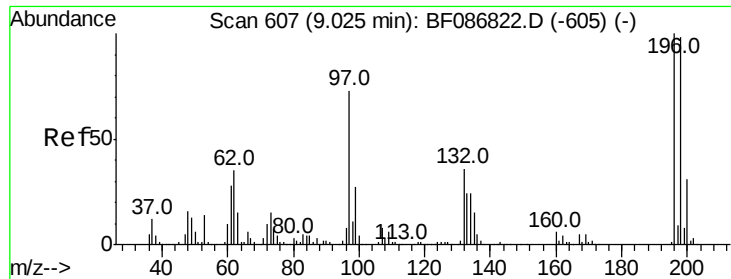
umangi
 5/17/2016 7:15:45 PM



#42
 2,4,6-Trichlorophenol
 Concen: 32.58 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	132306		
198	99.4	74.7	112.1	
200	32.1	23.8	35.6	





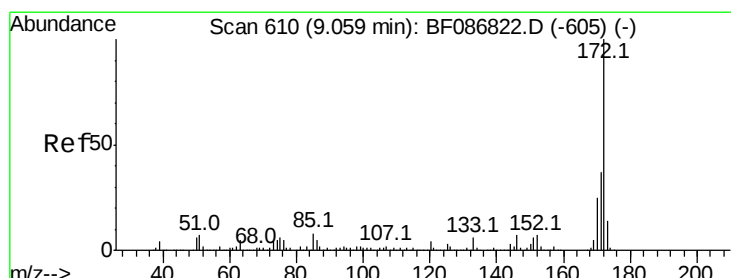
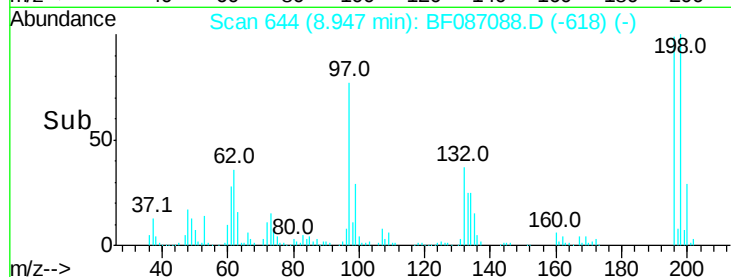
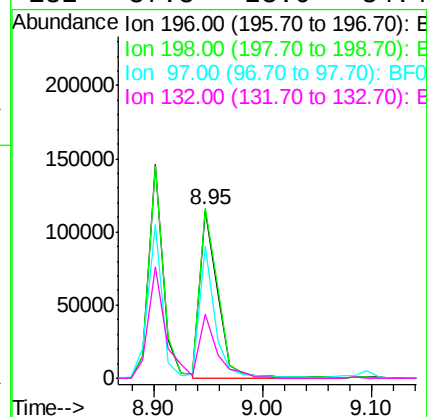
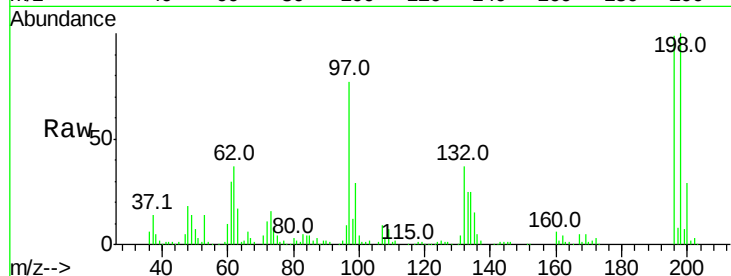
#43
 2,4,5-Trichlorophenol
 Concen: 30.92 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	129847		
198	101.3	77.5	116.3	
97	78.1	34.8	52.2	
132	37.8	23.0	34.4	

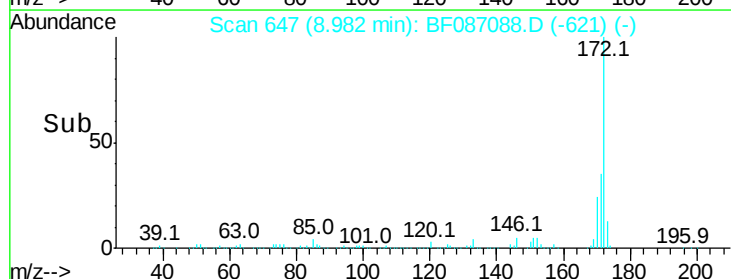
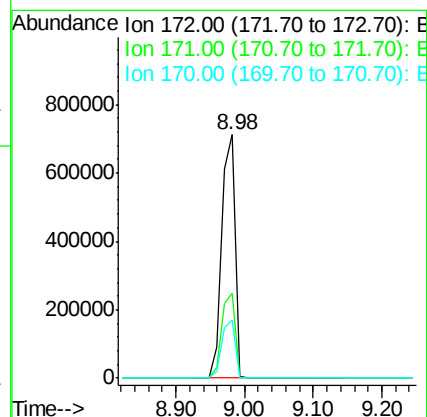
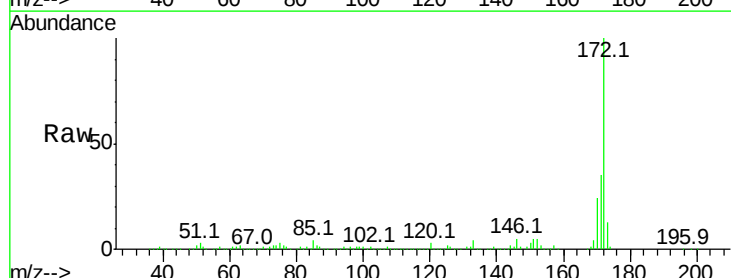
Manual Integrations
 APPROVED

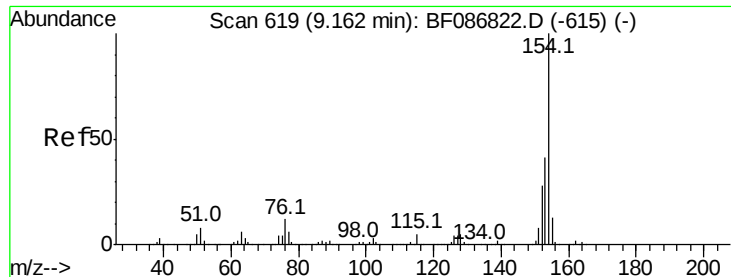
umangi
 5/17/2016 7:15:45 PM



#44
 2-Fluorobiphenyl
 Concen: 79.22 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	984543		
171	35.0	29.0	43.6	
170	23.7	19.8	29.8	





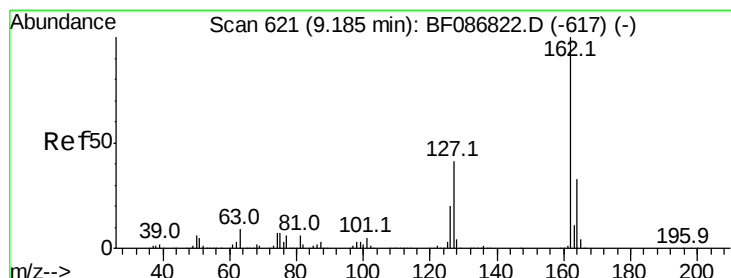
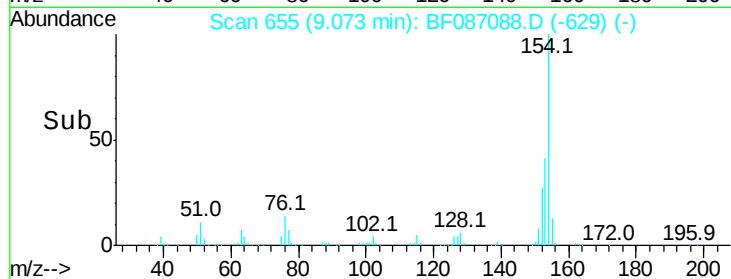
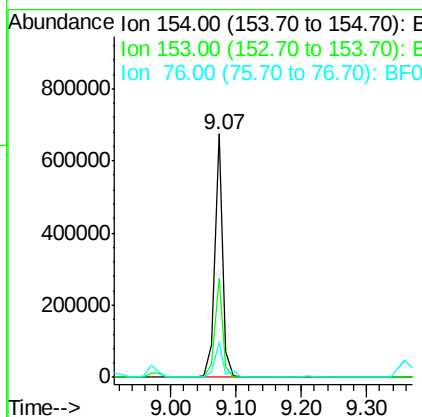
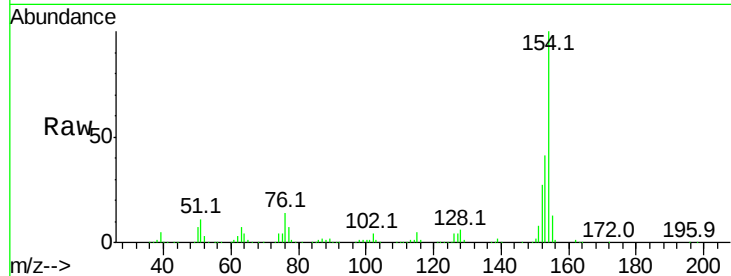
#45
 1,1'-Biphenyl
 Concen: 35.45 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.6	20.3	60.3	
76	14.4	0.0	30.2	

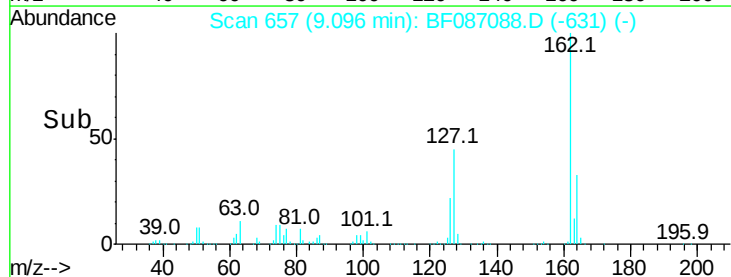
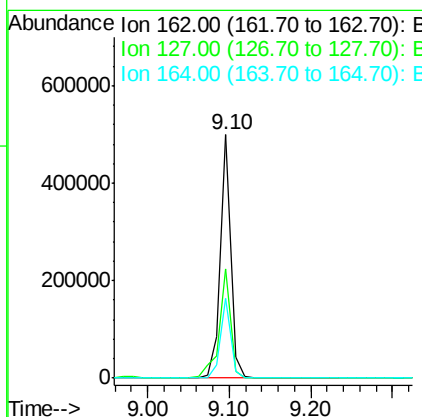
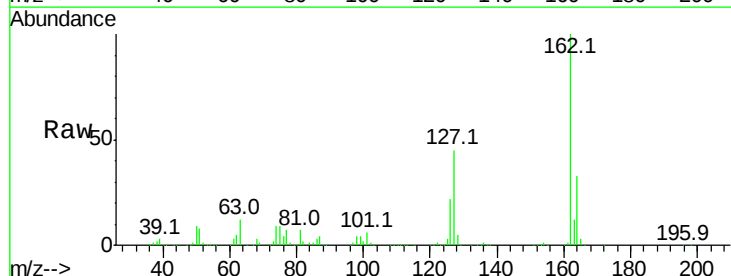
Manual Integrations
 APPROVED

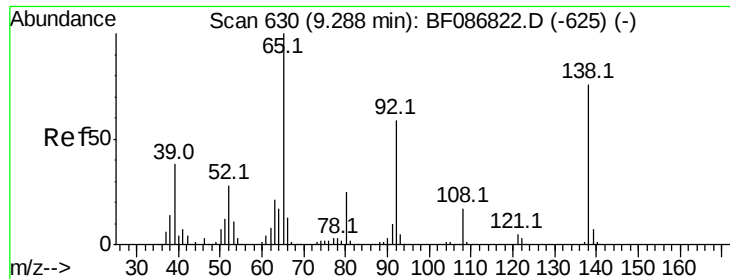
umangi
 5/17/2016 7:15:45 PM



#46
 2-Chloronaphthalene
 Concen: 33.83 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	45.1	31.8	47.6	
164	33.0	27.0	40.6	





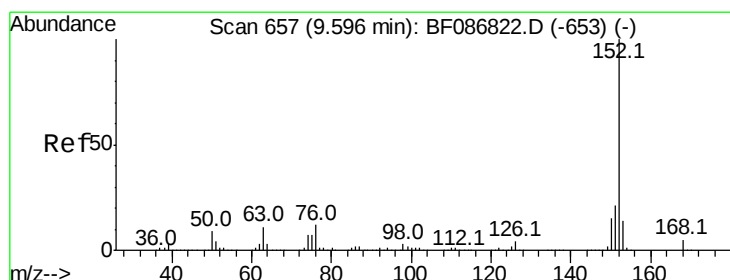
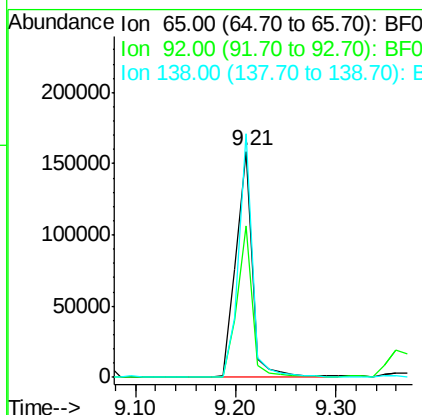
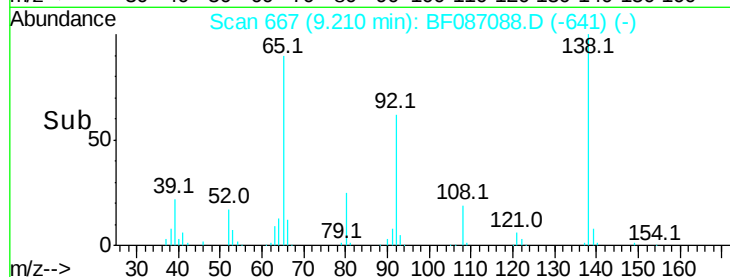
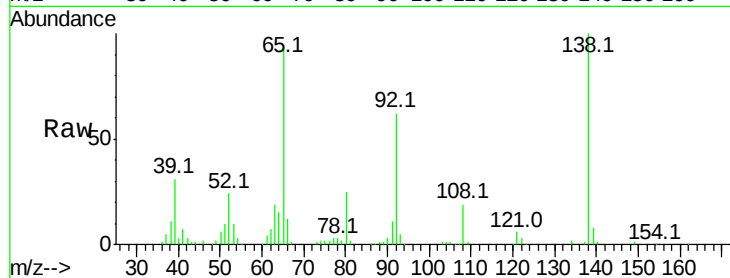
#47
 2-Nitroaniline
 Concen: 38.13 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion:	65	Resp:	181370
Ion Ratio	Lower	Upper	
65	100		
92	67.1	57.4	86.2
138	107.9	90.1	135.1

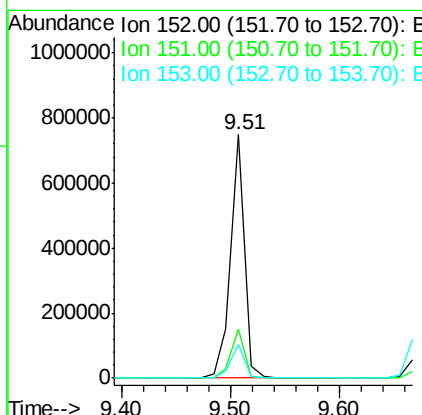
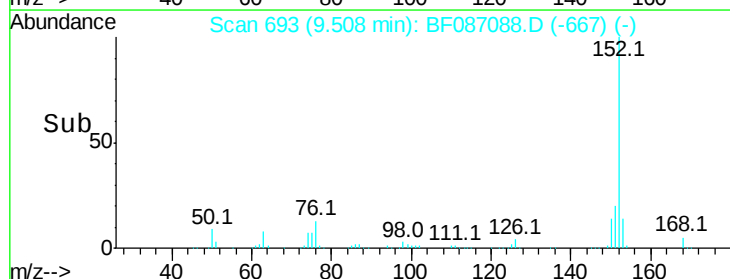
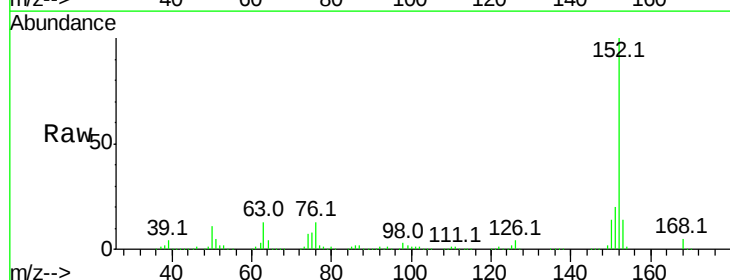
Manual Integrations
 APPROVED

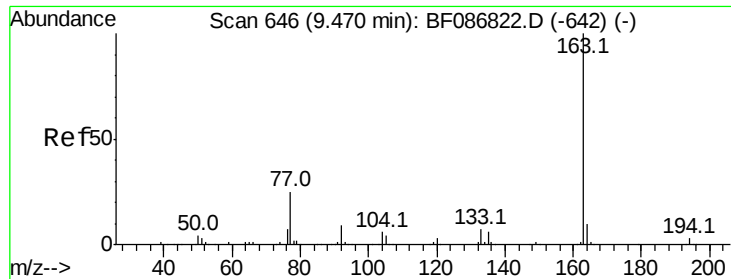
umangi
 5/17/2016 7:15:45 PM



#48
 Acenaphthylene
 Concen: 34.38 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion:	152	Resp:	658181
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	13.9	10.9	16.3





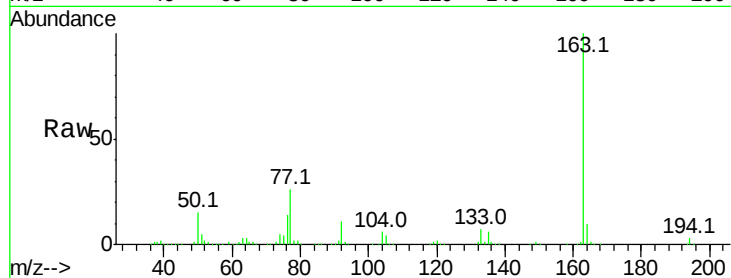
#49
Dimethylphthalate
Concen: 32.43 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

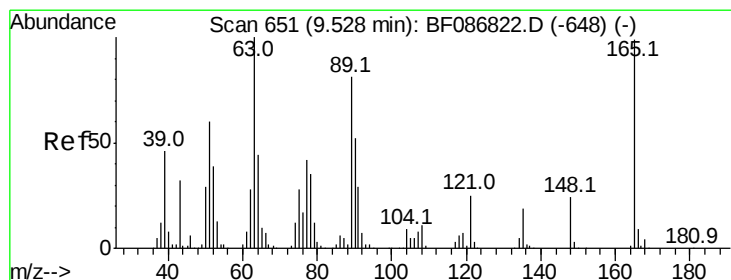
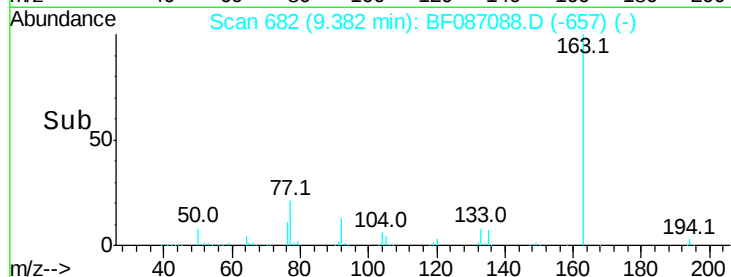
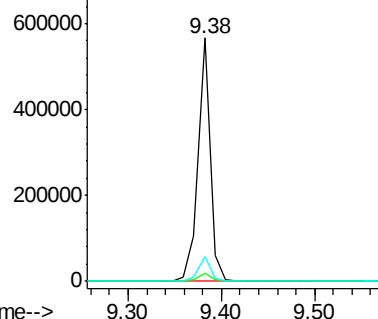
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	10.1	8.2	12.4	

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM

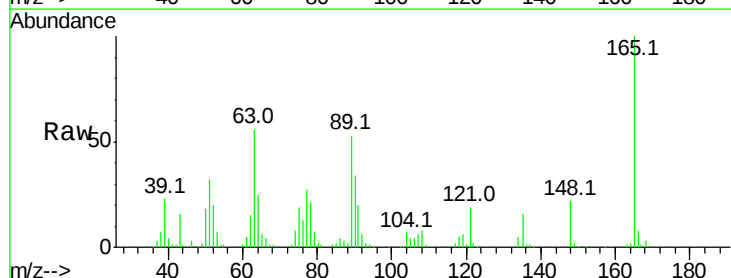


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

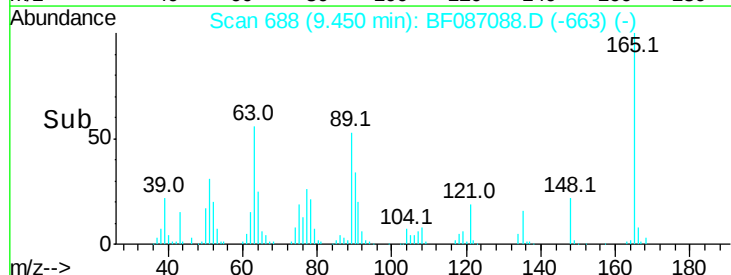
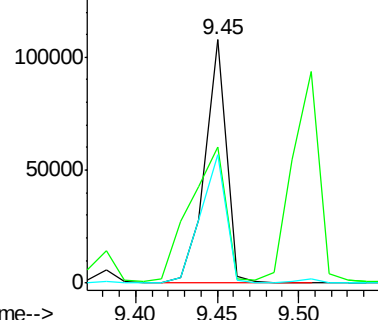


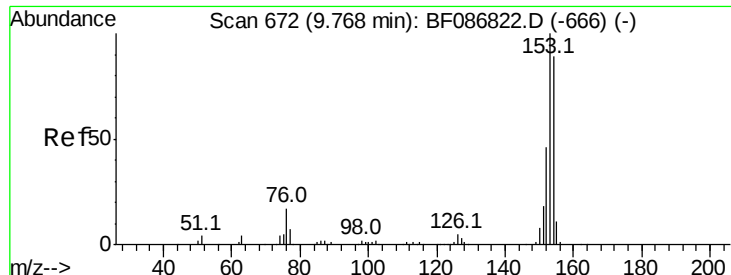
#50
2,6-Dinitrotoluene
Concen: 29.06 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	55.9	51.8	77.8	
89	52.9	50.7	76.1	



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





#51

Acenaphthene

Concen: 34.43 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

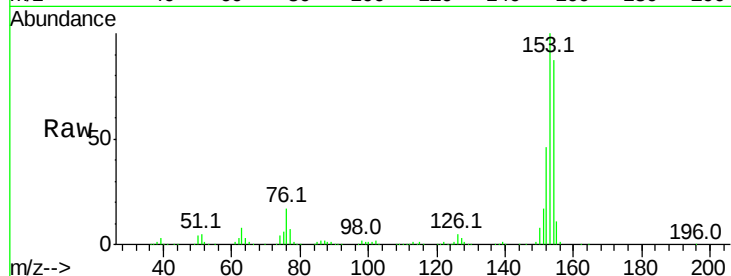
ClientSampleId :

PB90651BS

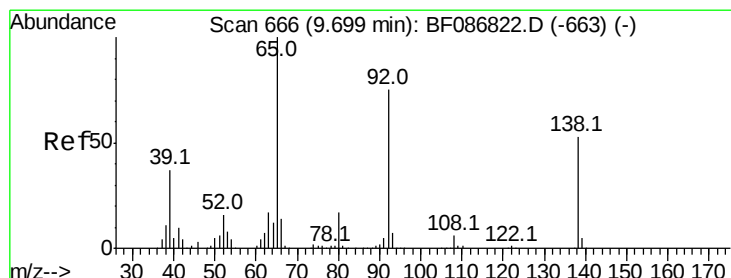
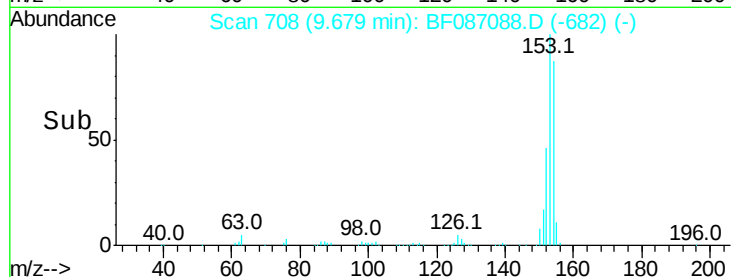
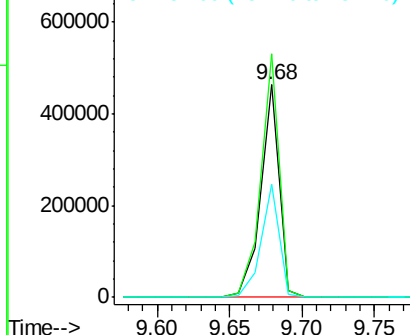
Tot Ion:	154	Resp:	410101
Ion Ratio	Lower	Upper	
154	100		
153	114.6	89.8	134.6
152	53.2	43.4	65.0

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



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: 33.59 ng

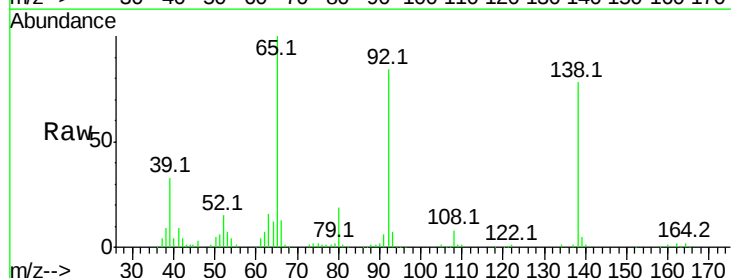
RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

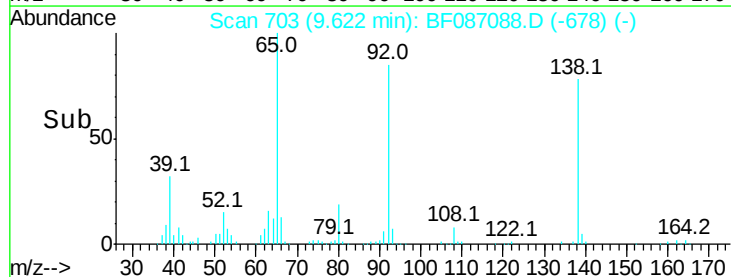
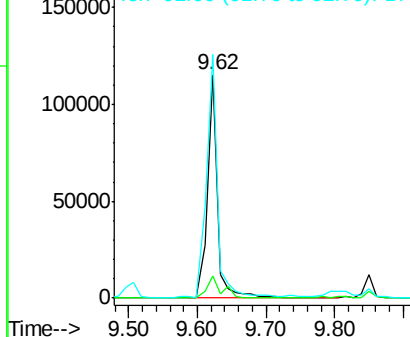
Lab File: BF087088.D

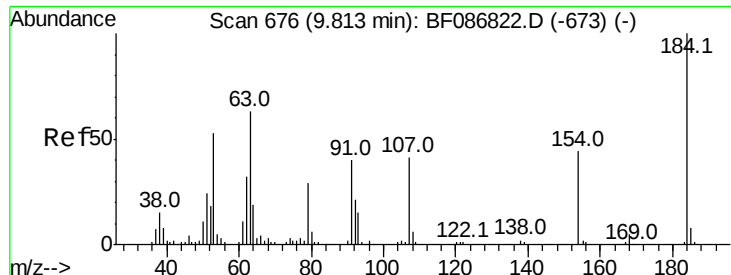
Acq: 16 May 2016 18:26

Tgt Ion:	138	Resp:	118576
Ion Ratio	Lower	Upper	
138	100		
108	9.9	7.8	11.6
92	109.0	87.8	131.8



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





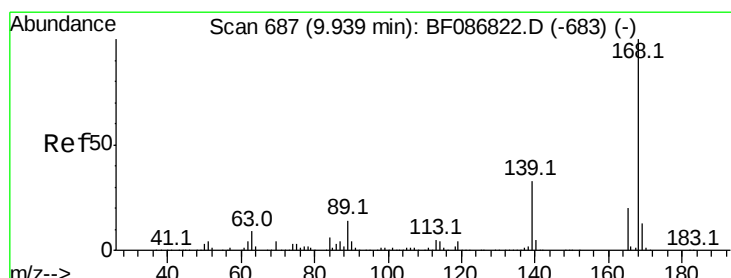
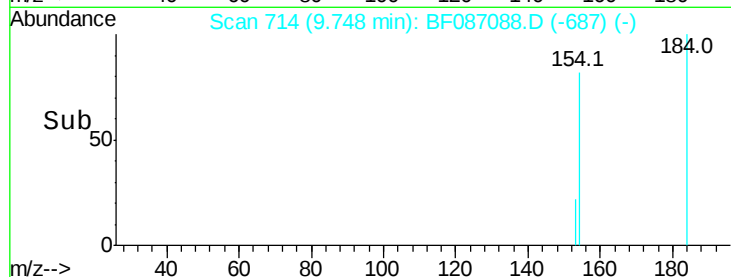
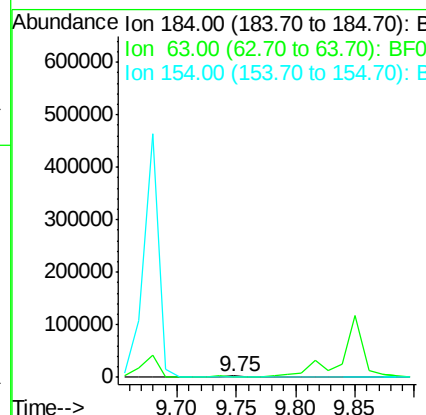
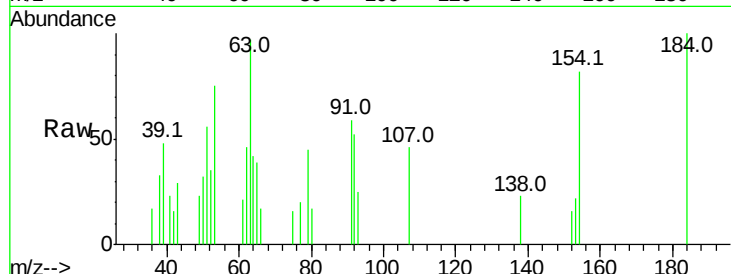
#53
 2,4-Dinitrophenol
 Concen: 10.38 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	97.4	55.8	83.8#	
154	82.1	62.4	93.6	

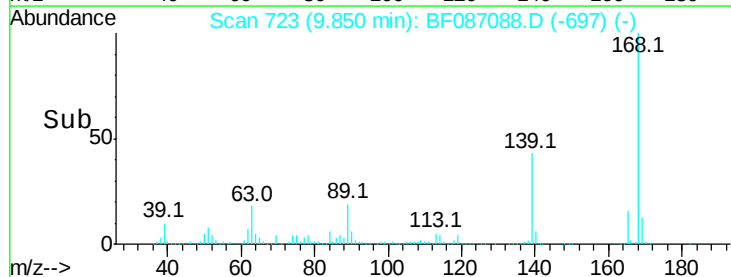
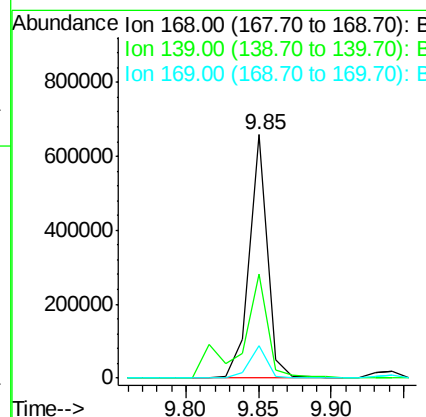
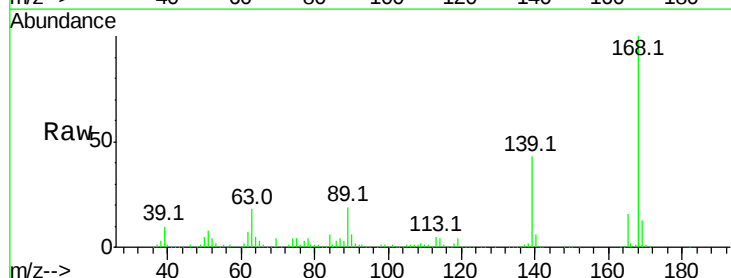
Manual Integrations
 APPROVED

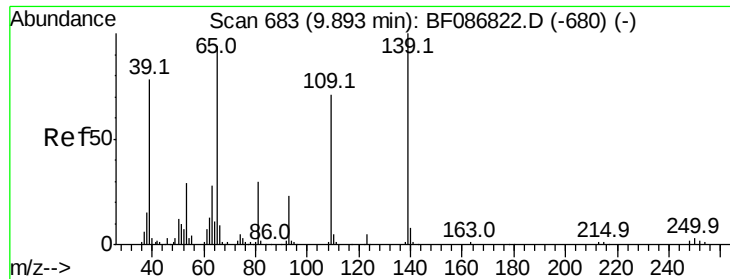
umangi
 5/17/2016 7:15:45 PM



#54
 Dibenzofuran
 Concen: 37.35 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	43.0	31.4	47.0	
169	13.3	10.7	16.1	





#55

4-Nitrophenol

Concen: 40.37 ng/mL

RT: 9.82 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

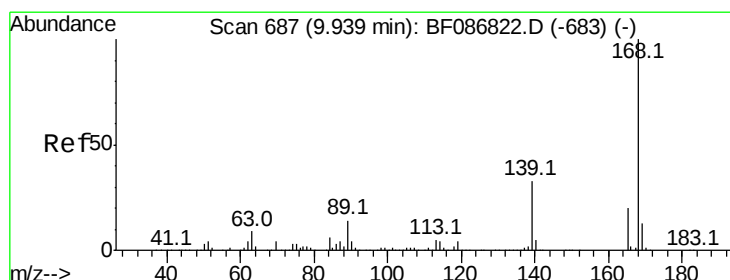
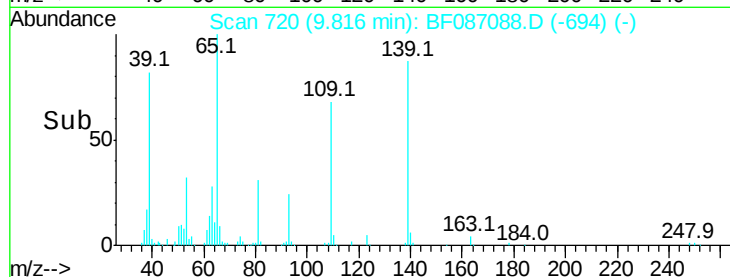
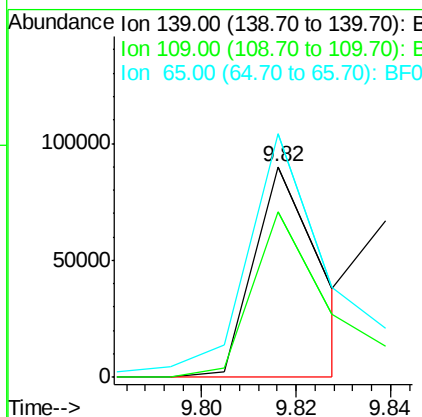
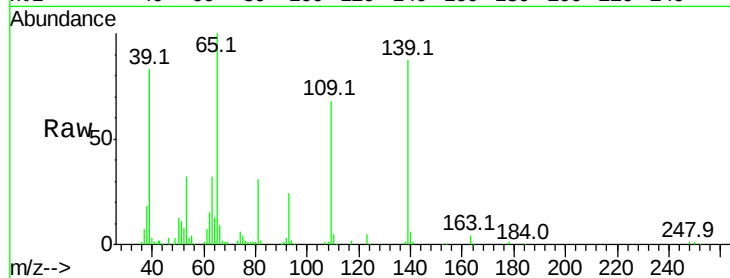
ClientSampled :

PB90651BS

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM

Tot Ion:139	Resp:	89388
Ion Ratio	Lower	Upper
139 100		
109 78.3	36.9	76.9#
65 115.5	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 24.02 ng/mL

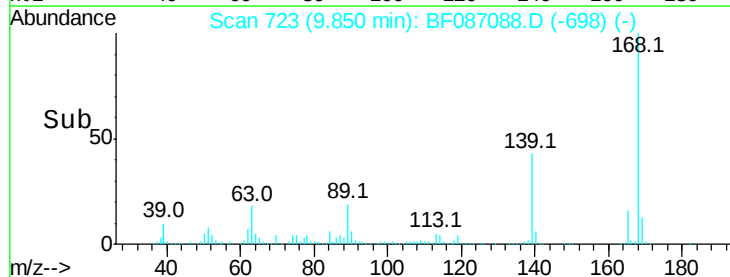
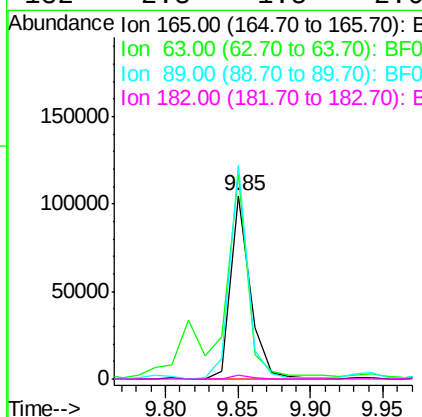
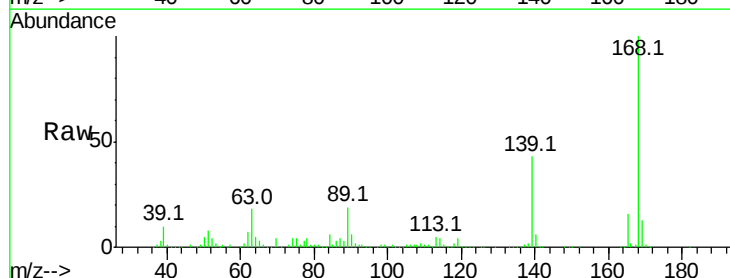
RT: 9.85 min Scan# 723

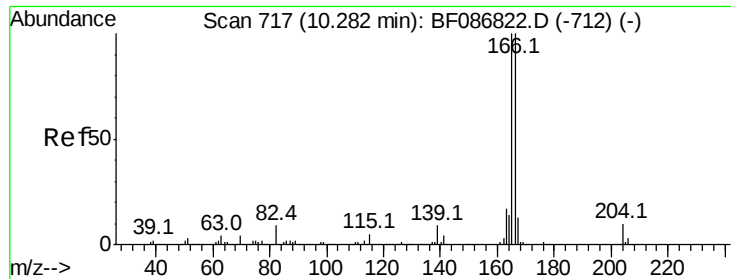
Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:165	Resp:	99674
Ion Ratio	Lower	Upper
165 100		
63 111.9	44.3	66.5#
89 116.3	70.0	105.0#
182 2.3	1.8	2.6





#57

Fluorene

Concen: 33.86 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

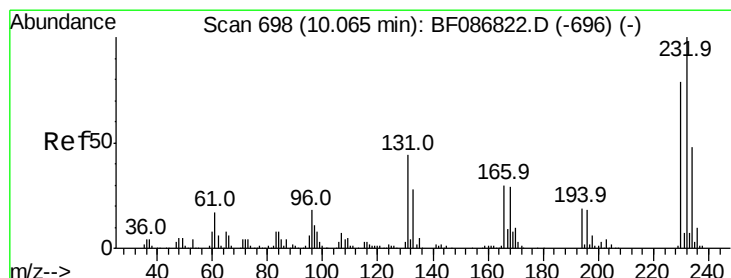
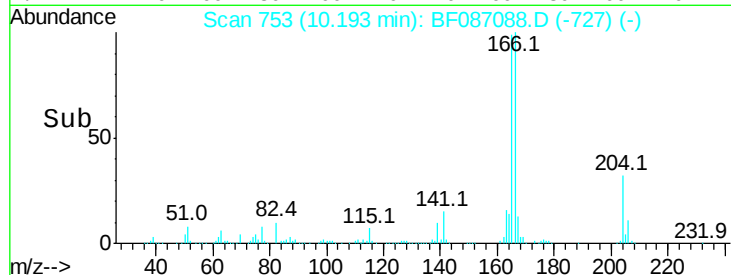
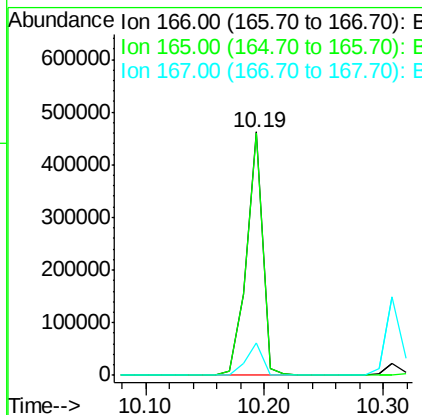
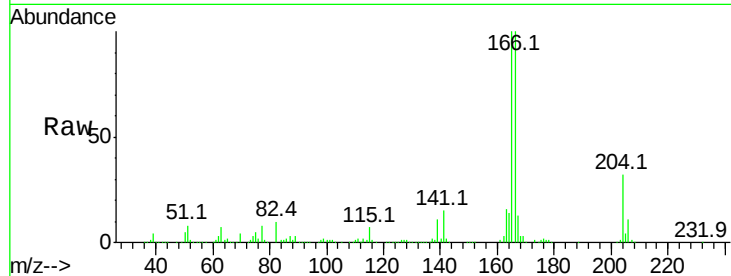
ClientSampleId :

PB90651BS

Tot Ion:	166	Resp:	441447
Ion Ratio	Lower	Upper	
166	100		
165	99.6	79.0	118.6
167	13.3	10.6	15.8

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 31.20 ng

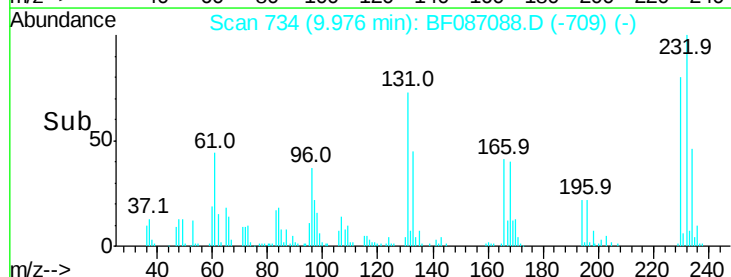
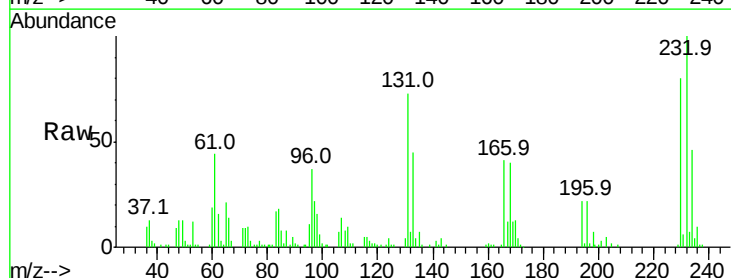
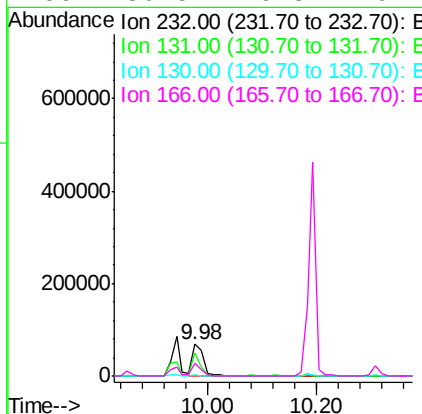
RT: 9.98 min Scan# 734

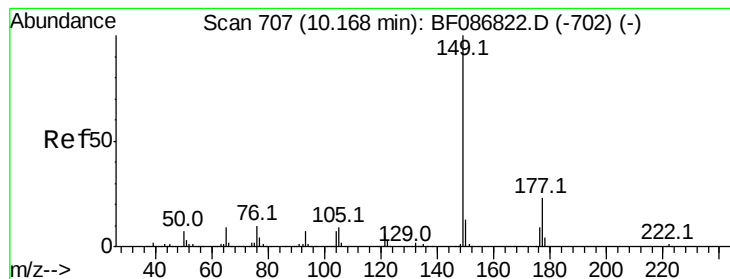
Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	232	Resp:	98653
Ion Ratio	Lower	Upper	
232	100		
131	52.3	41.9	62.9
130	2.5	2.2	3.4
166	30.5	26.8	40.2





#59

Diethylphthalate

Concen: 33.67 ng

RT: 10.08 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

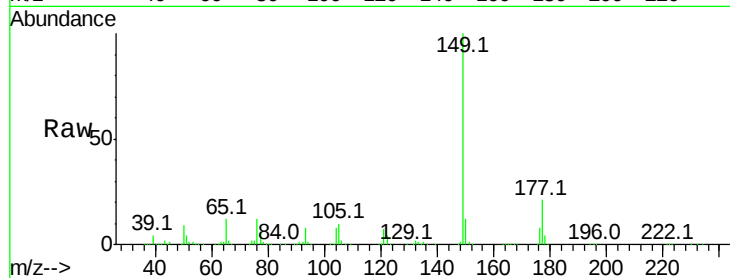
ClientSampleId :

PB90651BS

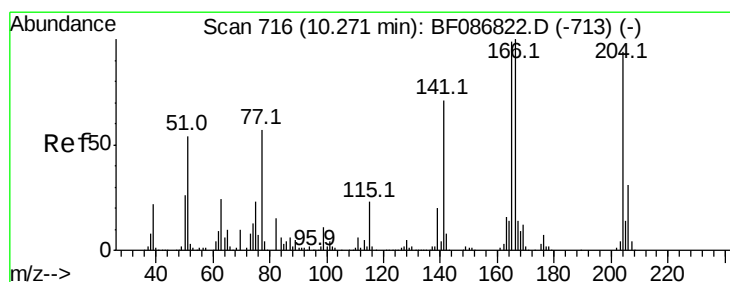
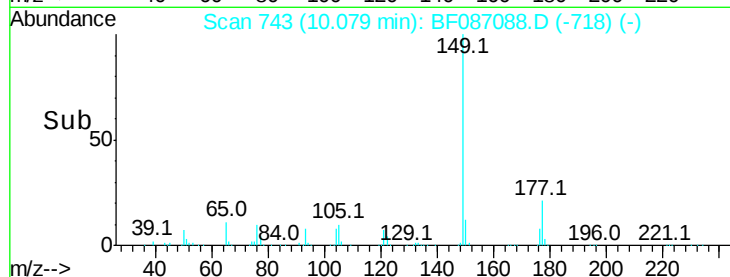
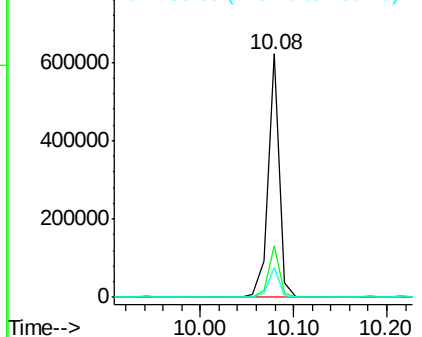
Tot Ion:	149	Resp:	522865
Ion Ratio	Lower	Upper	
149	100		
177	21.2	16.6	24.8
150	12.5	10.0	15.0

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



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



#60

4-Chlorophenyl-phenylether

Concen: 31.97 ng

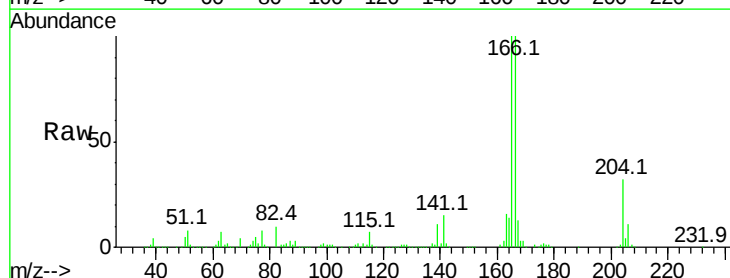
RT: 10.19 min Scan# 753

Delta R.T. -0.00 min

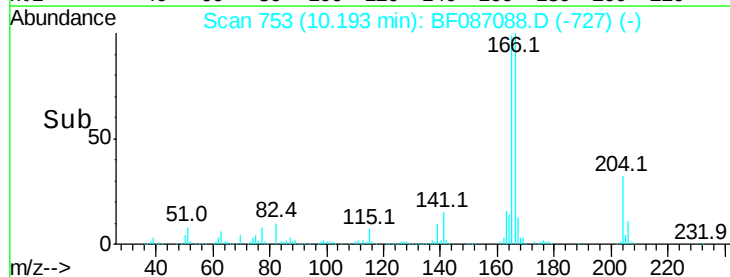
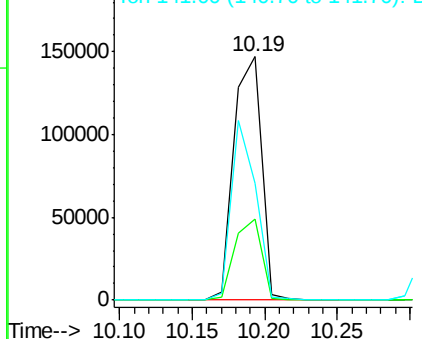
Lab File: BF087088.D

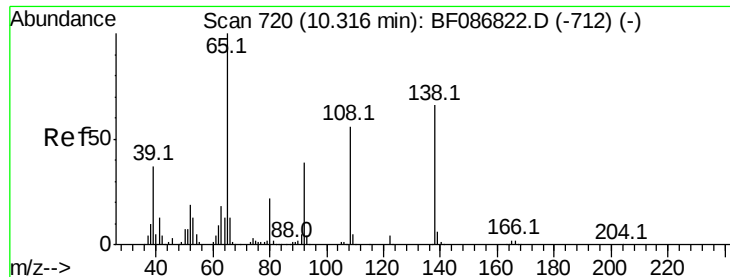
Acq: 16 May 2016 18:26

Tgt Ion:	204	Resp:	195340
Ion Ratio	Lower	Upper	
204	100		
206	33.3	25.4	38.0
141	47.8	61.6	92.4#



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





#61

4-Nitroaniline

Concen: 32.31 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

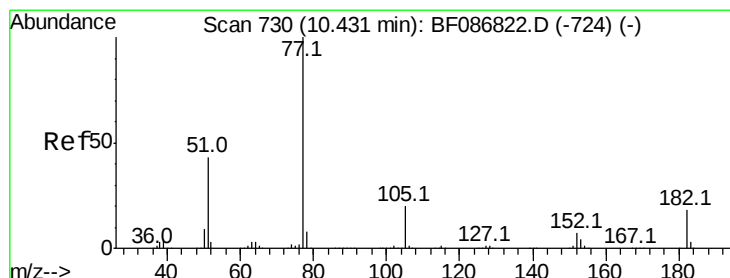
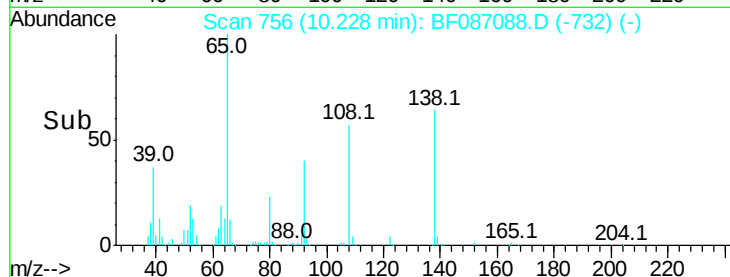
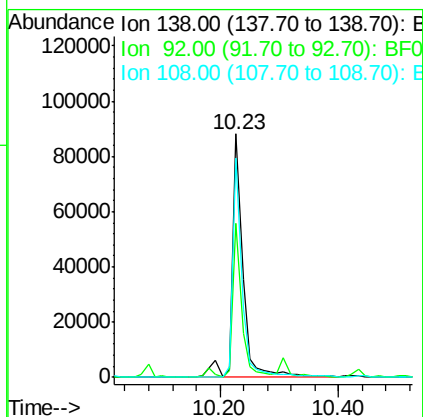
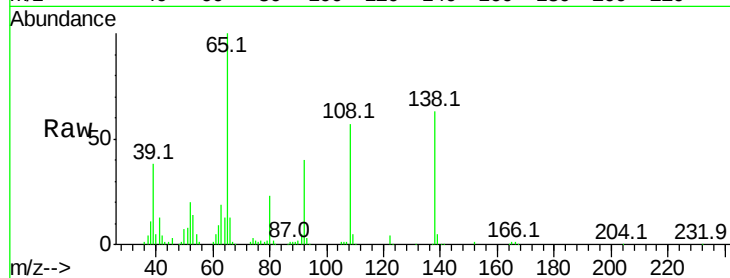
ClientSampleId :

PB90651BS

Tot Ion:	138	Resp:	109576
Ion Ratio	Lower	Upper	
138	100		
92	63.3	24.7	64.7
108	89.9	37.4	77.4#

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#62

Azobenzene

Concen: 31.68 ng

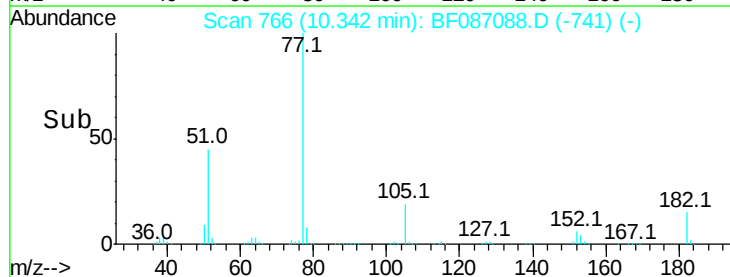
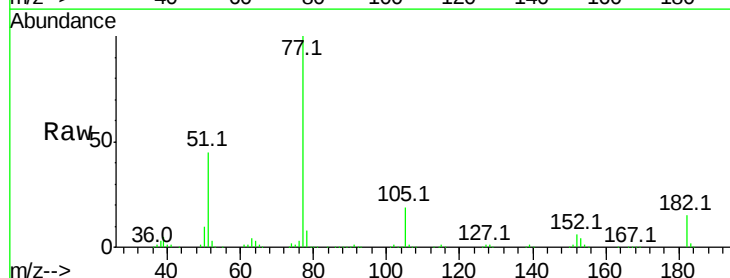
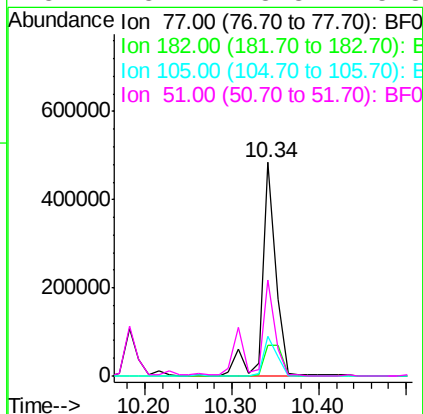
RT: 10.34 min Scan# 766

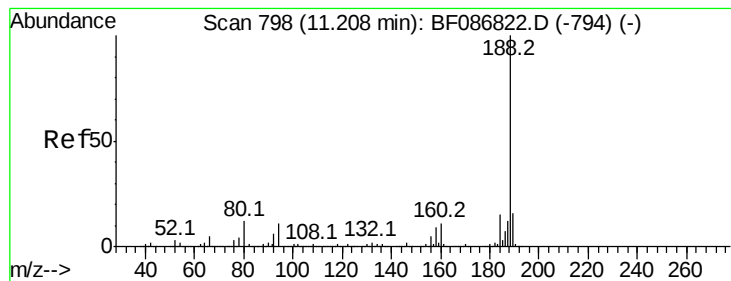
Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	77	Resp:	530711
Ion Ratio	Lower	Upper	
77	100		
182	14.5	0.0	38.8
105	18.8	3.2	43.2
51	45.2	8.8	48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

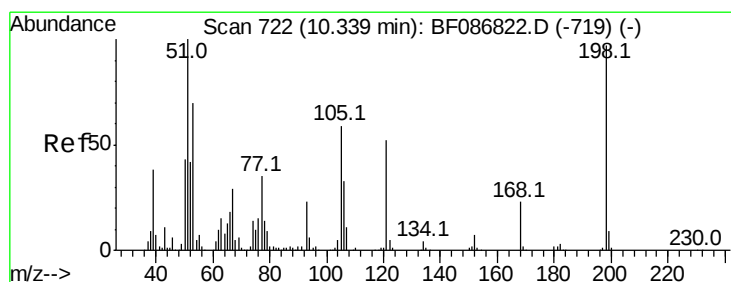
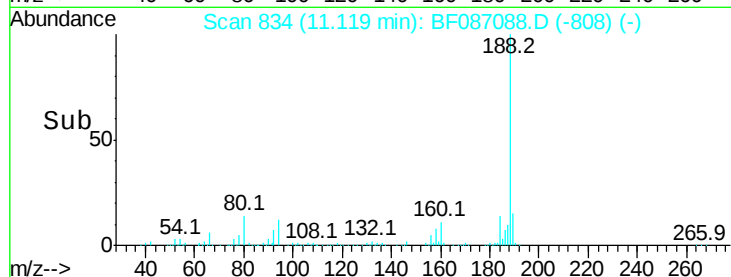
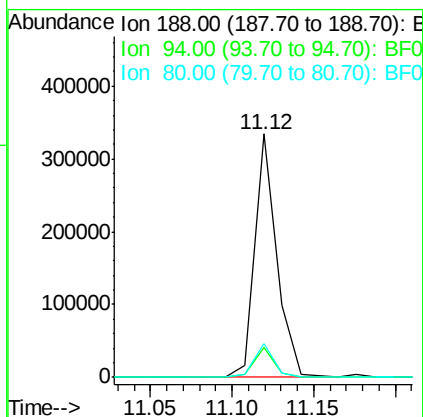
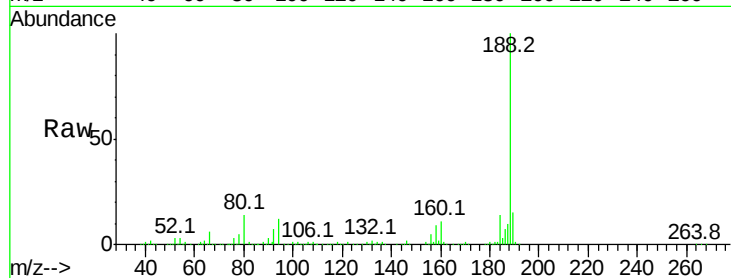
ClientSampleId :

PB90651BS

Tot Ion:	188	Resp:	312091
Ion Ratio	Lower	Upper	
188	100		
94	12.3	6.8	10.2#
80	13.9	7.1	10.7#

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 3.21 ng

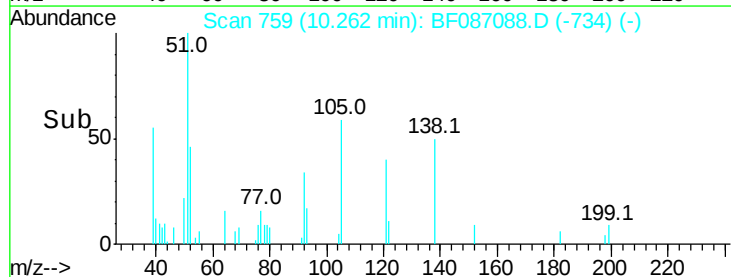
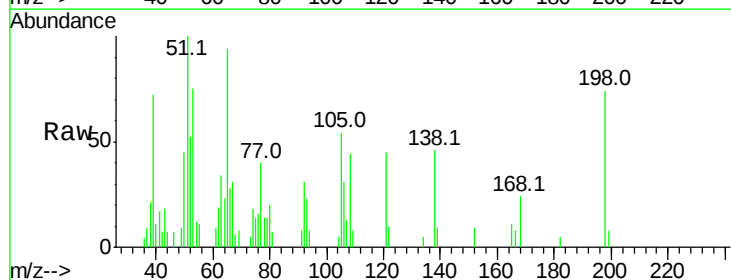
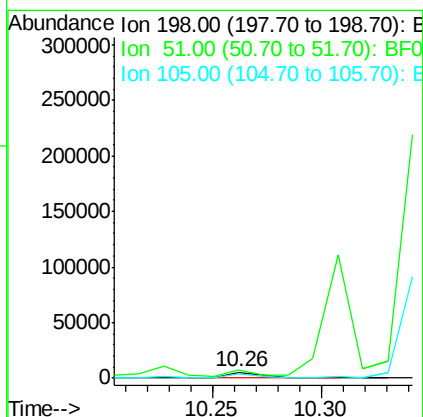
RT: 10.26 min Scan# 759

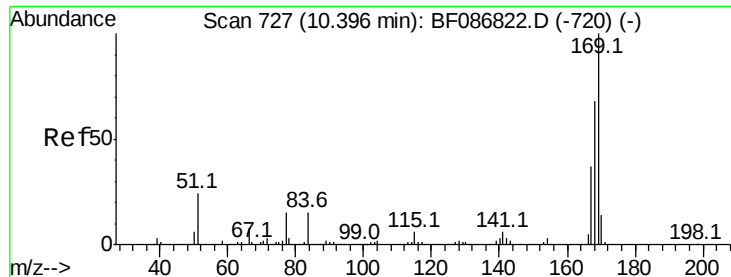
Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	198	Resp:	6216
Ion Ratio	Lower	Upper	
198	100		
51	135.3	20.5	60.5#
105	72.5	24.5	64.5#





#65

n-Nitrosodiphenylamine

Concen: 38.14 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

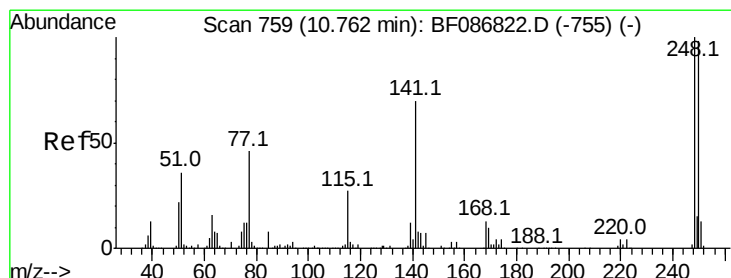
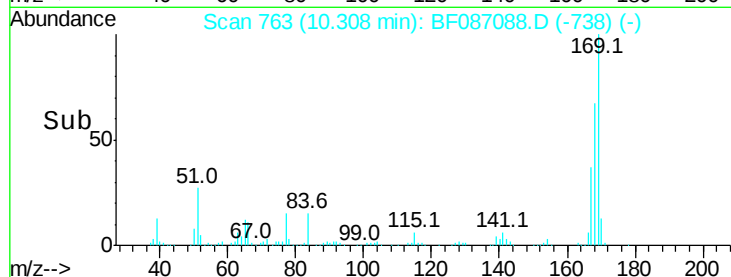
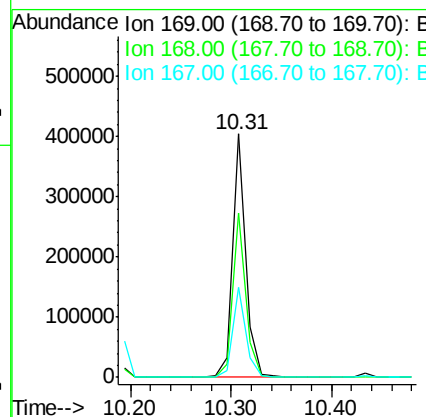
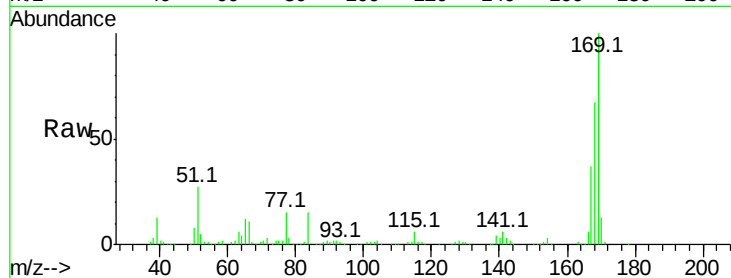
ClientSampleId :

PB90651BS

Tot Ion:	169	Resp:	365717
Ion Ratio	Lower	Upper	
169	100		
168	67.3	53.8	80.6
167	37.0	29.5	44.3

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#66

4-Bromophenyl-phenylether

Concen: 38.18 ng

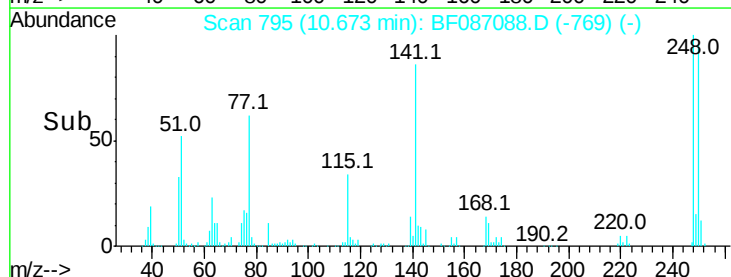
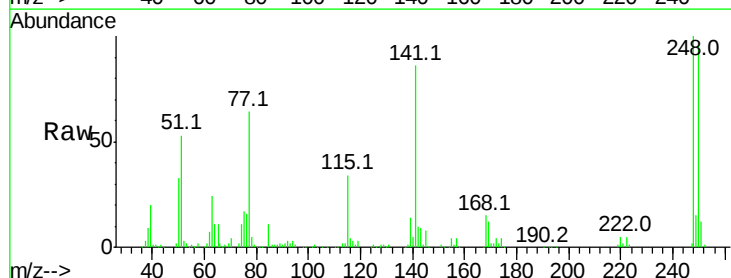
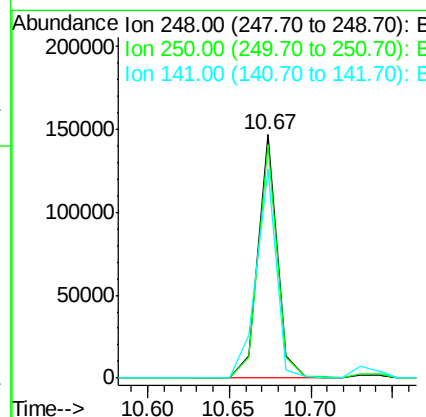
RT: 10.67 min Scan# 795

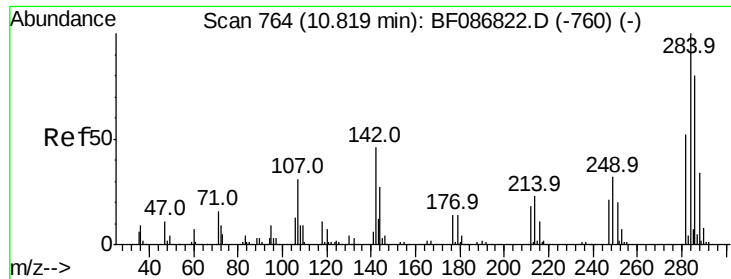
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	248	Resp:	120818
Ion Ratio	Lower	Upper	
248	100		
250	95.9	78.6	117.8
141	85.6	76.0	114.0





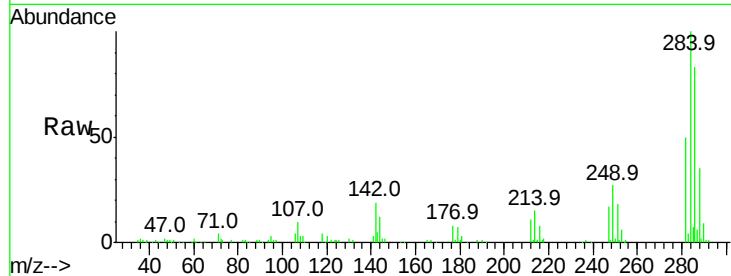
#67
Hexachlorobenzene
Concen: 33.67 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

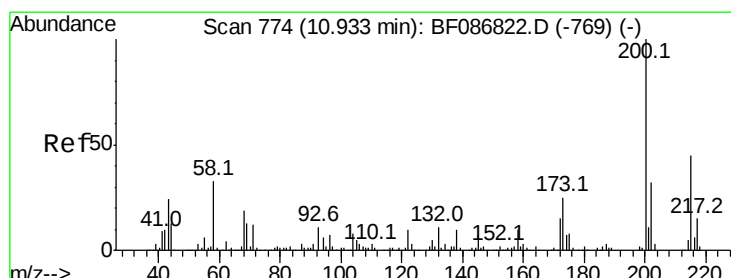
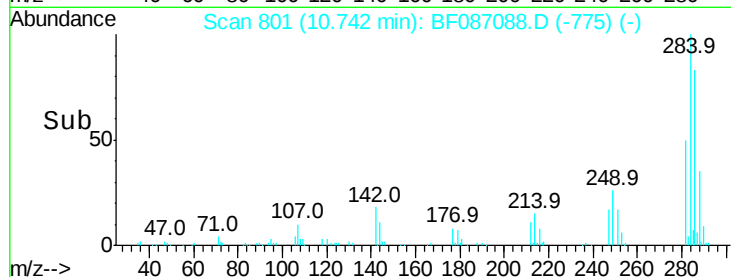
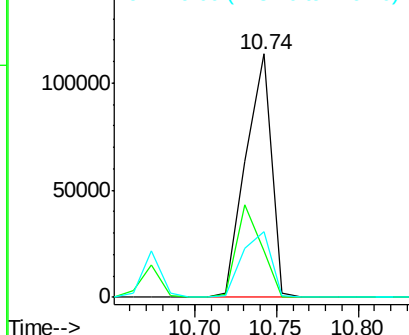
Tot Ion	Ratio	Resp	Lower	Upper
284	100	124527		
142	19.4	16.7	25.1	
249	27.0	21.3	31.9	

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM

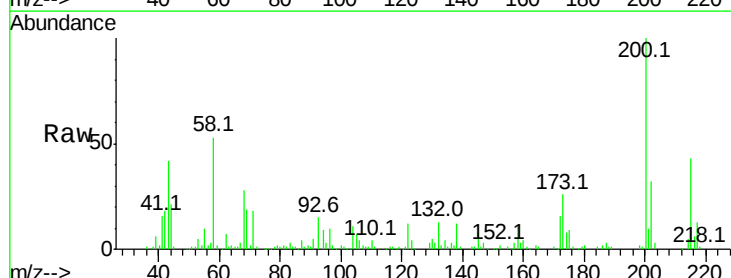


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

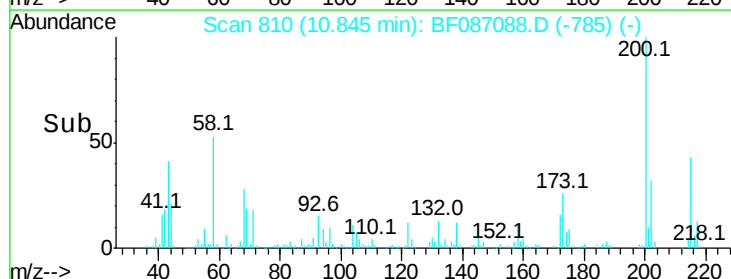
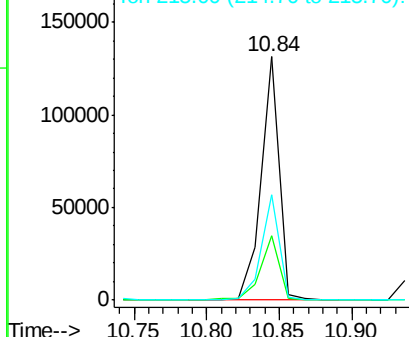


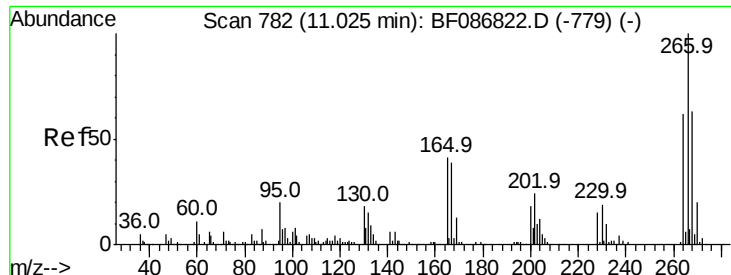
#68
Atrazine
Concen: 35.32 ng
RT: 10.84 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	113118		
173	26.5	8.5	48.5	
215	43.3	27.2	67.2	



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





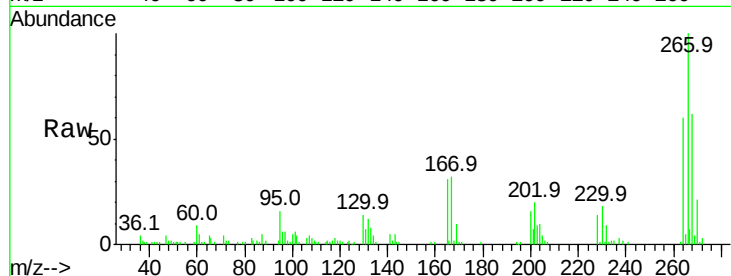
#69
 Pentachlorophenol
 Concen: 53.13 ng
 RT: 10.95 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

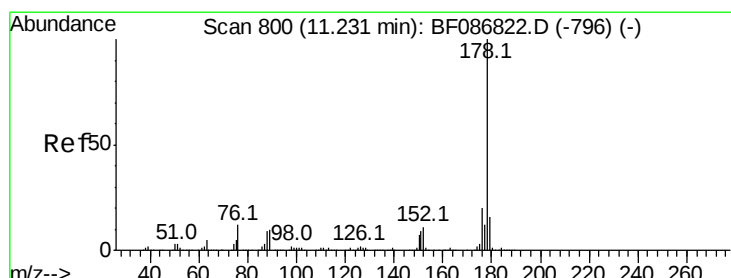
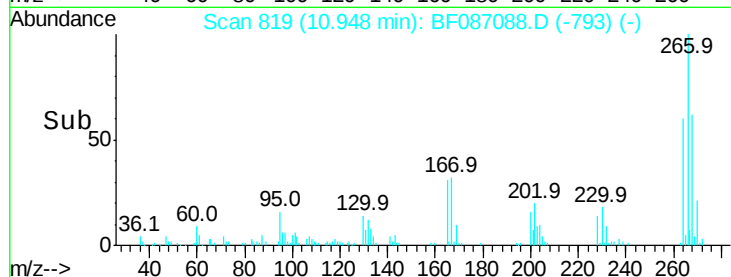
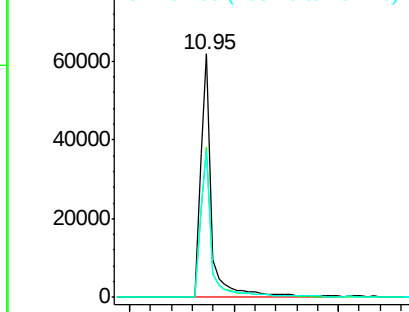
Tot Ion	Ratio	Resp	Lower	Upper
266	100	90794		
268	61.9		51.5	77.3
264	60.0		52.9	79.3

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:15:45 PM

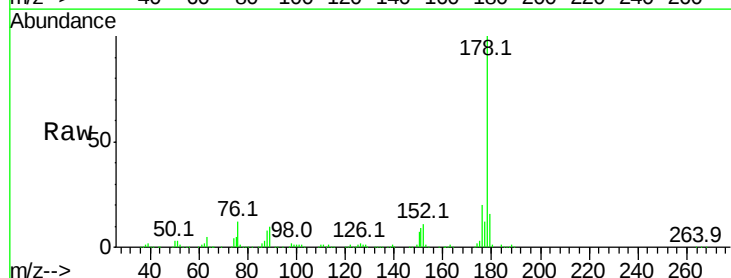


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

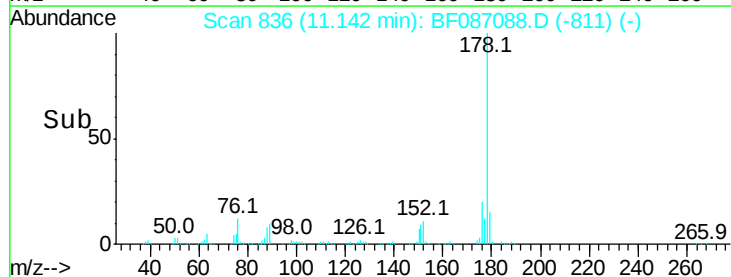
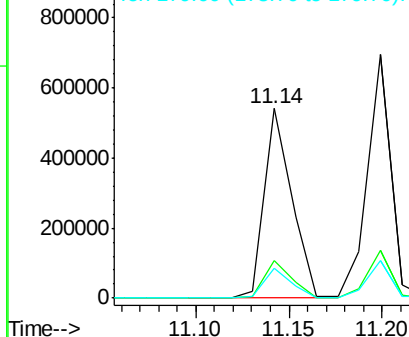


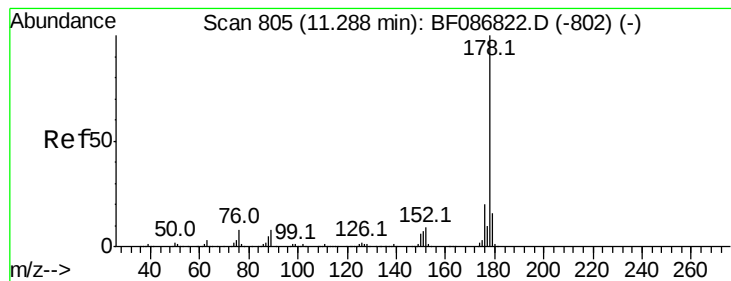
#70
 Phenanthrene
 Concen: 33.19 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	552847		
176	19.8		16.0	24.0
179	15.8		12.6	18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 36.05 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

ClientSampleId :

PB90651BS

Tot Ion:178 Resp: 614097

Ion Ratio Lower Upper

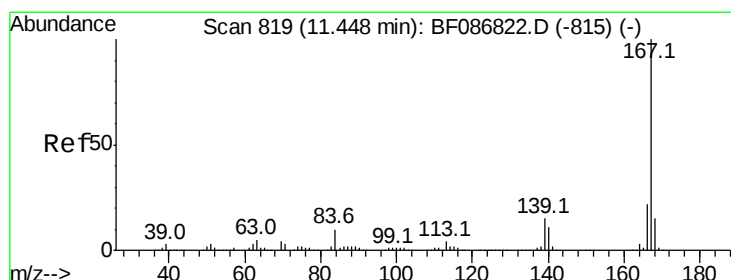
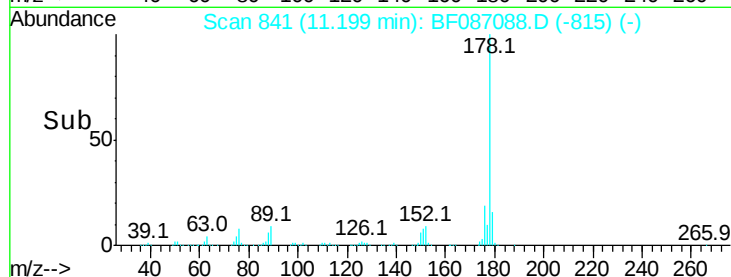
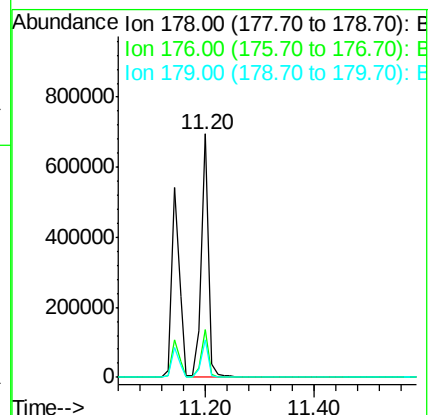
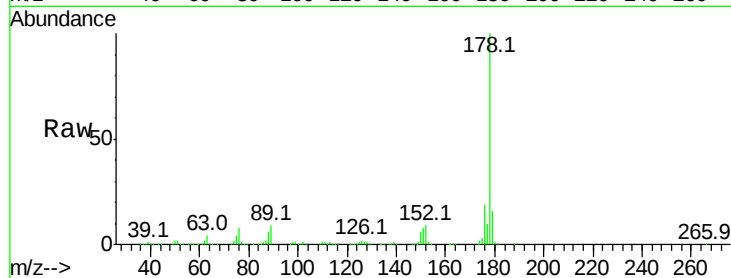
178 100

176 19.4 15.6 23.4

179 15.6 12.7 19.1

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#72

Carbazole

Concen: 34.11 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

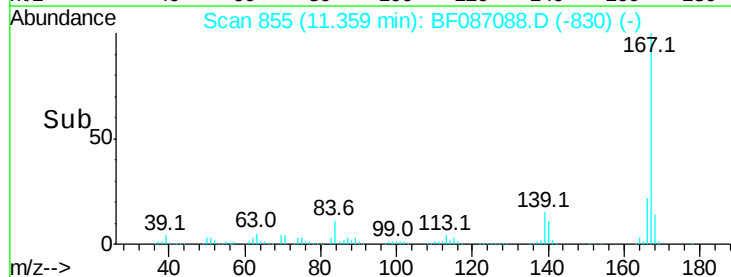
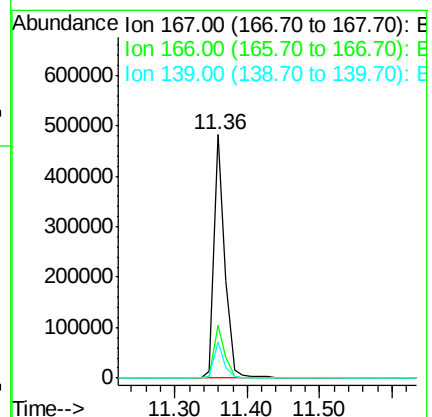
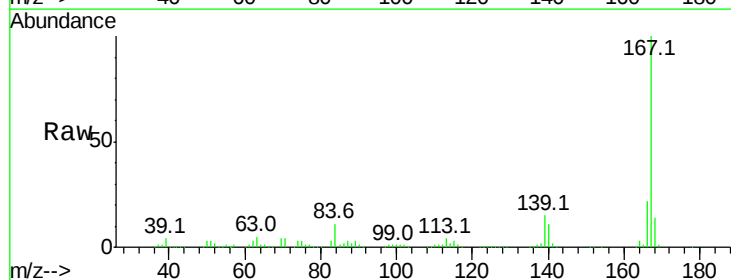
Tgt Ion:167 Resp: 499485

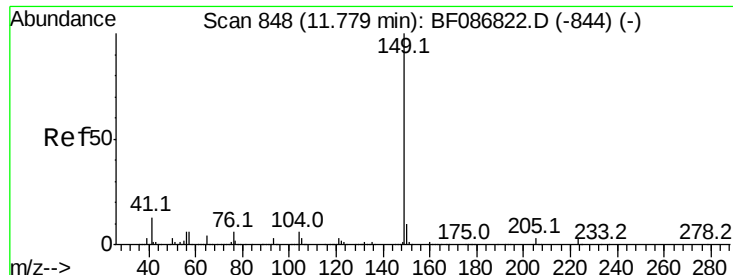
Ion Ratio Lower Upper

167 100

166 21.6 17.7 26.5

139 14.7 10.8 16.2





#73

Di-n-butylphthalate

Concen: 37.66 ng

RT: 11.70 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

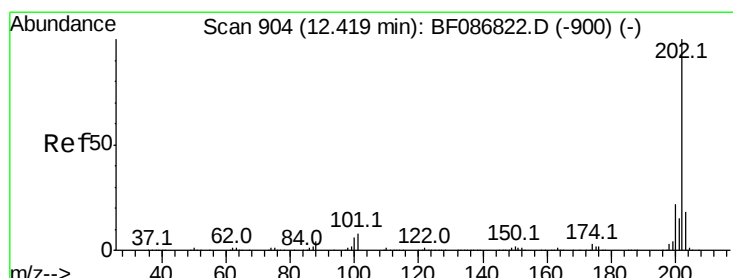
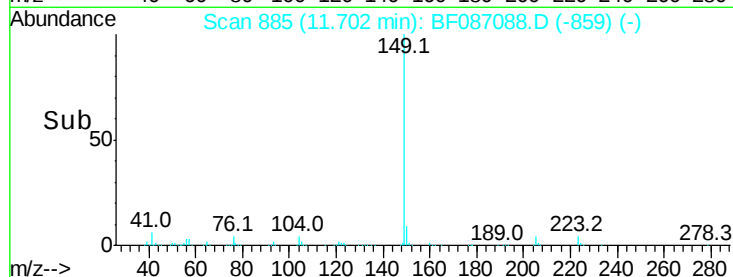
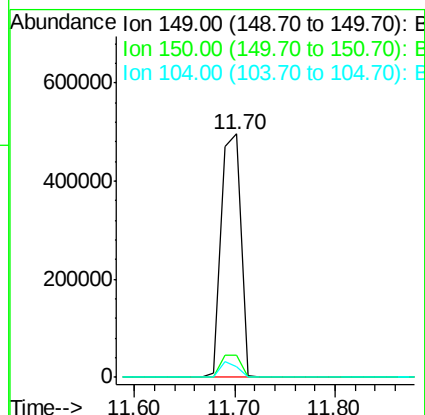
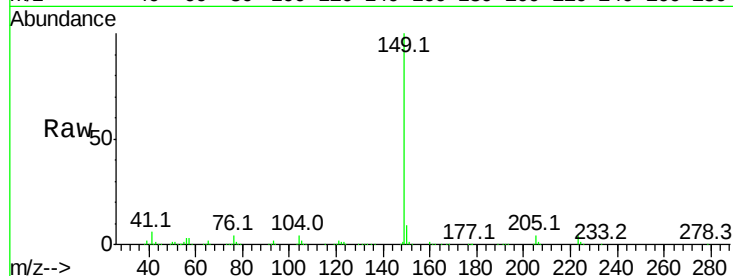
ClientSampleId :

PB90651BS

Tot Ion:	149	Resp:	673350
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.6	11.4
104	4.3	3.8	5.6

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#74

Fluoranthene

Concen: 34.64 ng

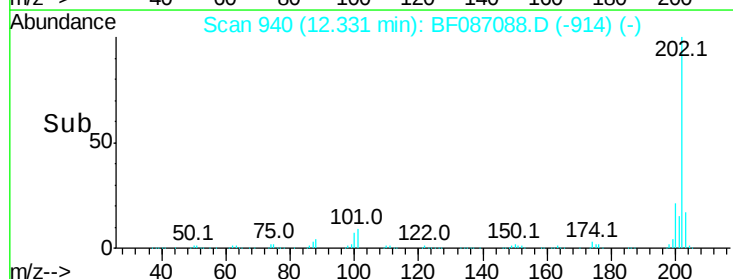
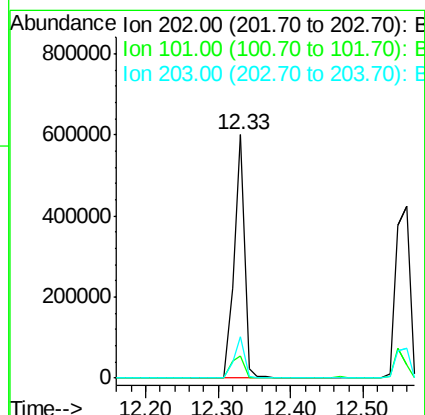
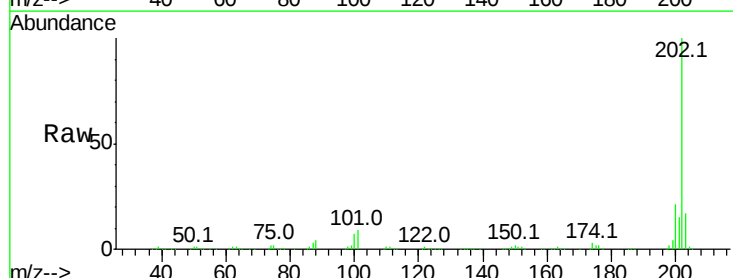
RT: 12.33 min Scan# 940

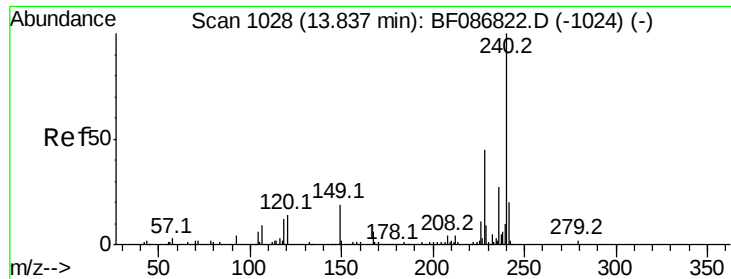
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	202	Resp:	593339
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	35.4
203	17.2	0.0	38.1





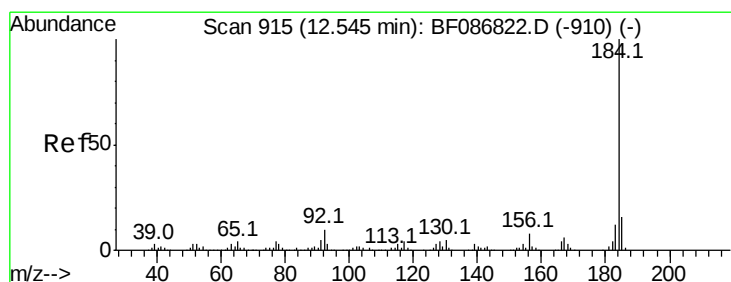
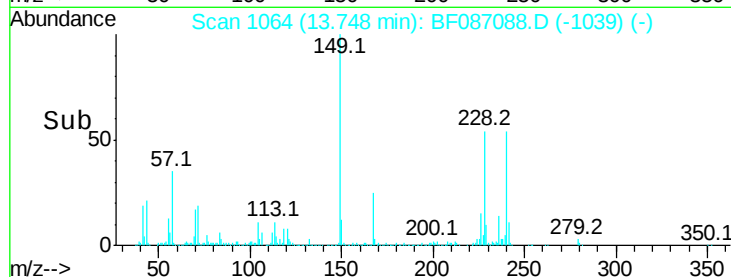
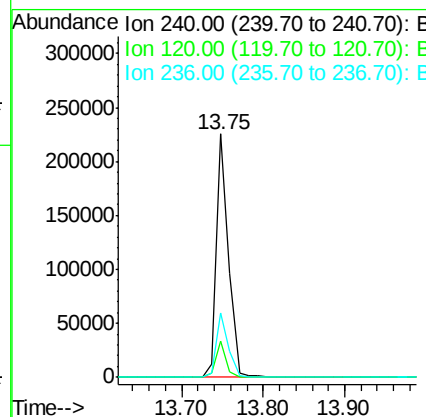
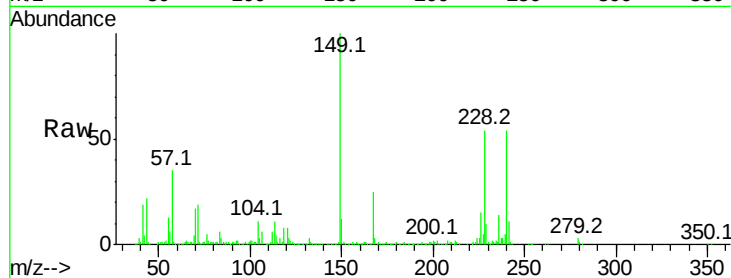
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	11.2	16.8
236	26.4	21.2	31.8

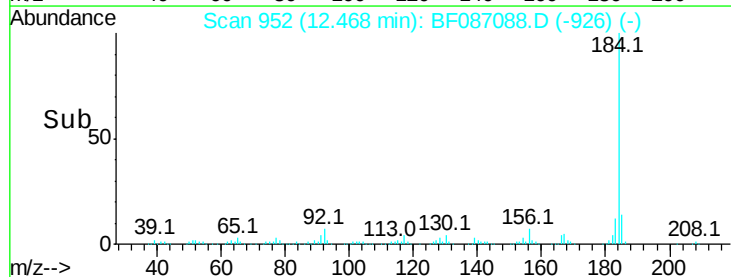
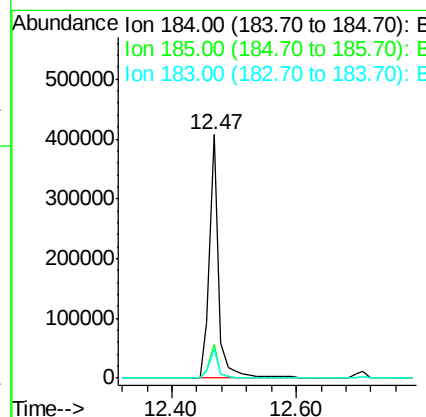
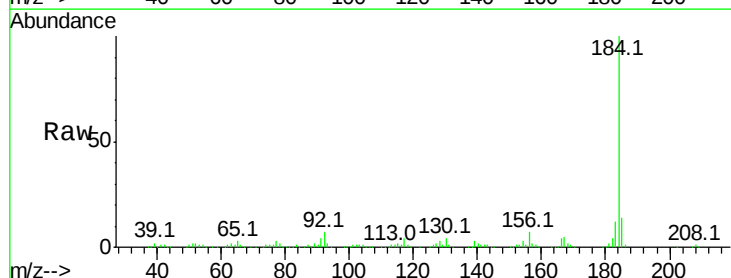
Manual Integrations
 APPROVED

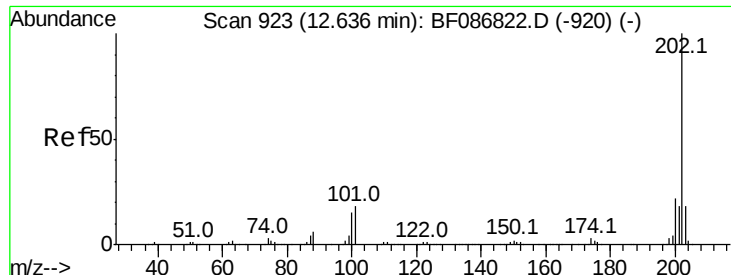
umangi
 5/17/2016 7:15:45 PM



#76
 Benzidine
 Concen: 70.84 ng
 RT: 12.47 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.8	13.6	20.4
183	11.6	9.8	14.6





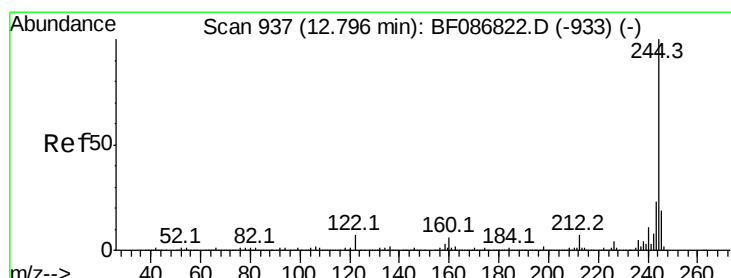
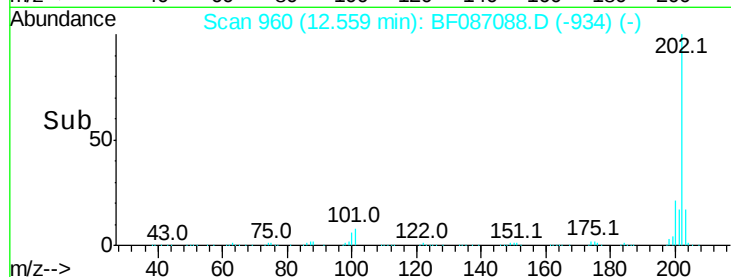
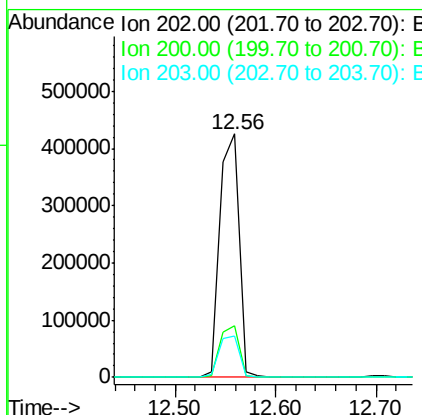
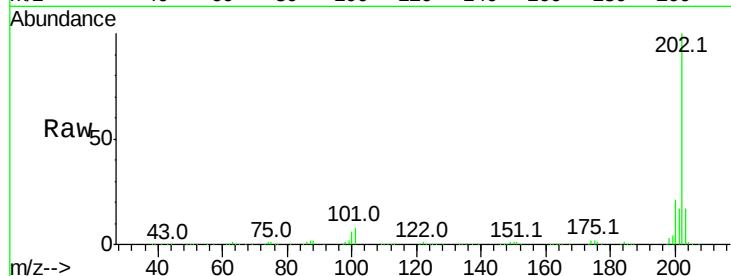
#77
Pvrene
Concen: 31.36 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	567438		
200	21.0		17.7	26.5
203	17.1		14.2	21.4

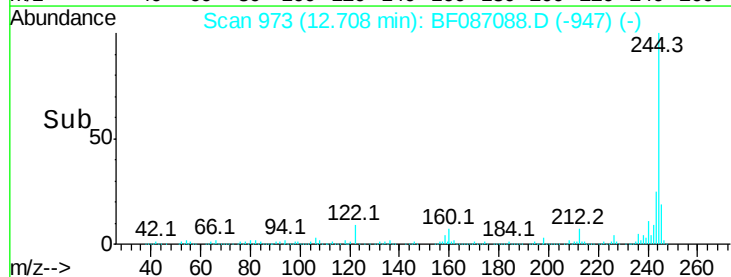
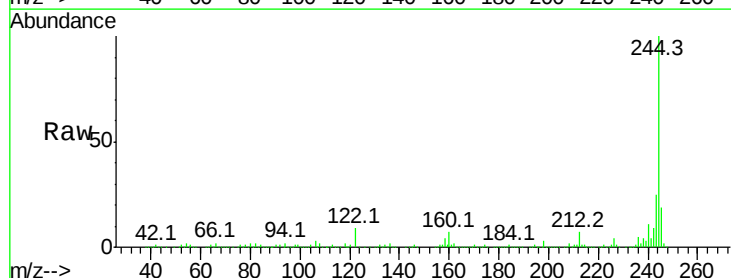
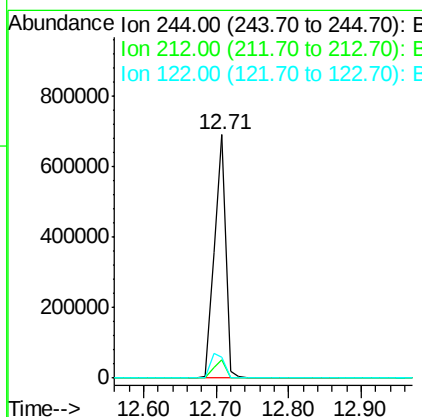
Manual Integrations
APPROVED

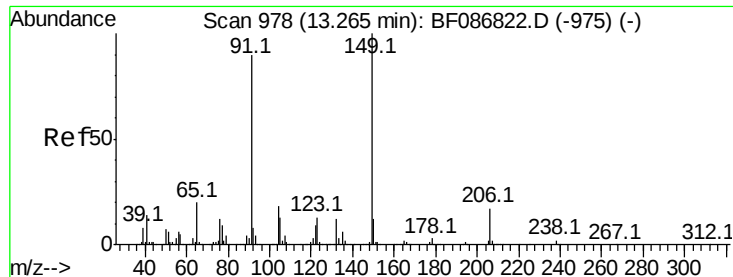
umangi
5/17/2016 7:15:45 PM



#78
Terphenyl-d14
Concen: 66.71 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	743163		
212	7.4		6.2	9.2
122	8.8		12.0	18.0#





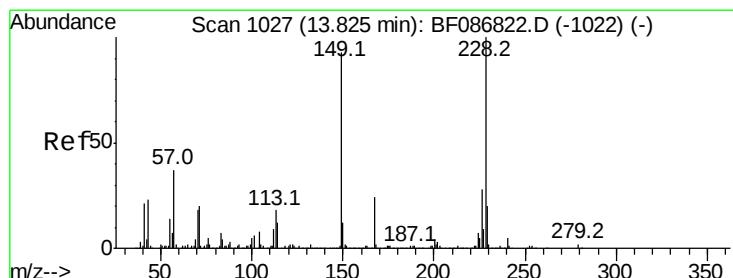
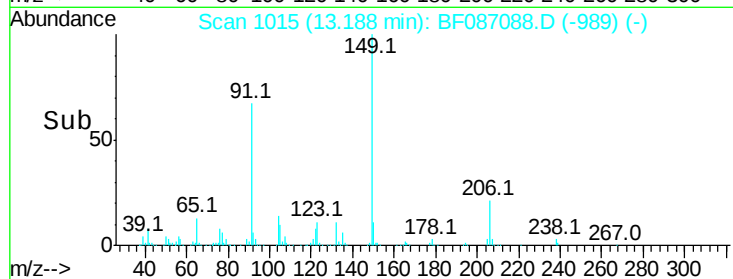
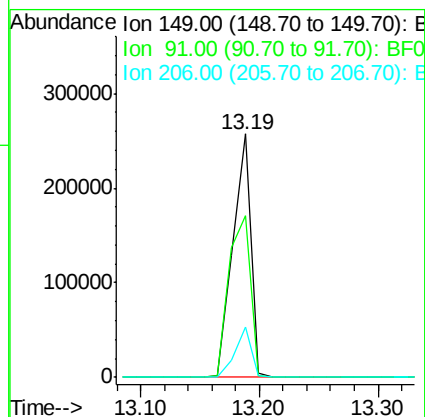
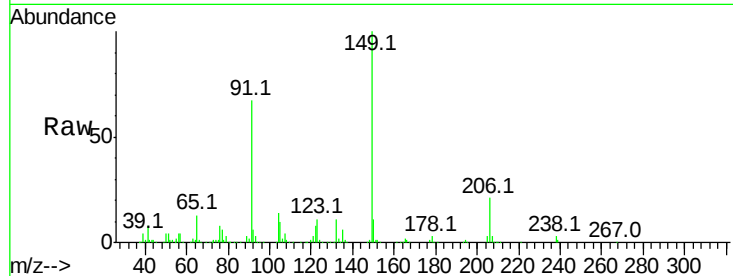
#79
Butylbenzylphthalate
Concen: 35.41 ng
RT: 13.19 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	271038		
91	66.6	48.0	72.0	
206	20.9	15.8	23.6	

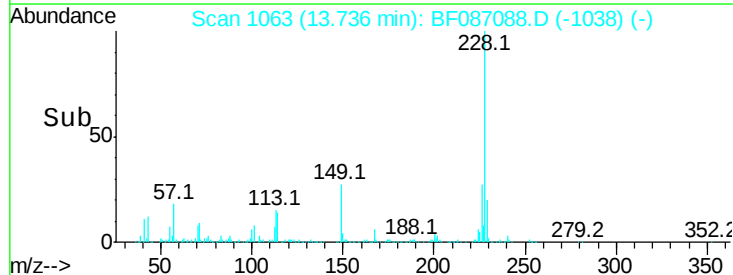
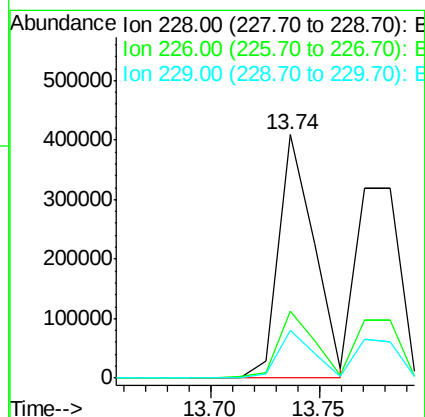
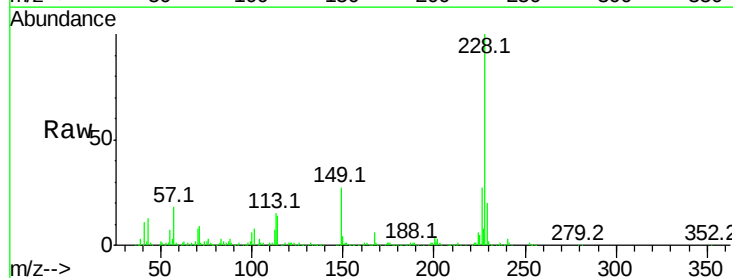
Manual Integrations
APPROVED

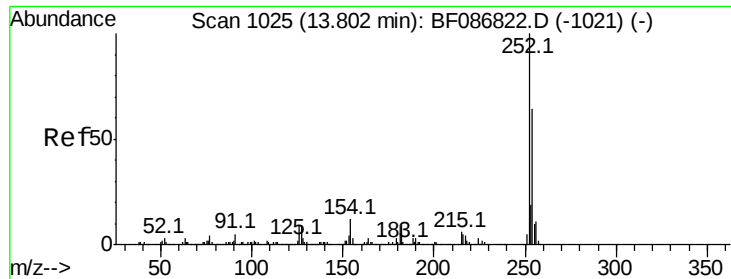
umangi
5/17/2016 7:15:45 PM



#80
Benzo(a)anthracene
Concen: 35.11 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	465792		
226	27.4	22.5	33.7	
229	19.9	16.6	25.0	





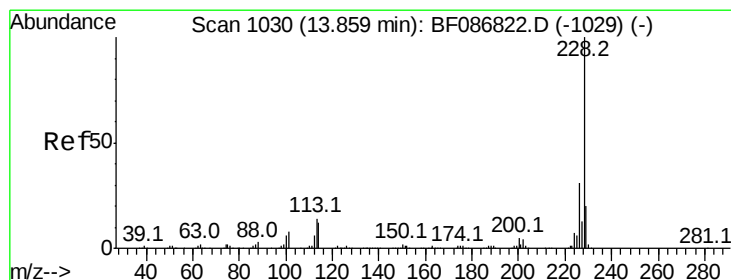
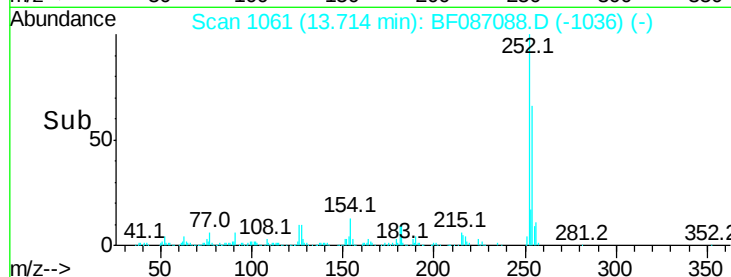
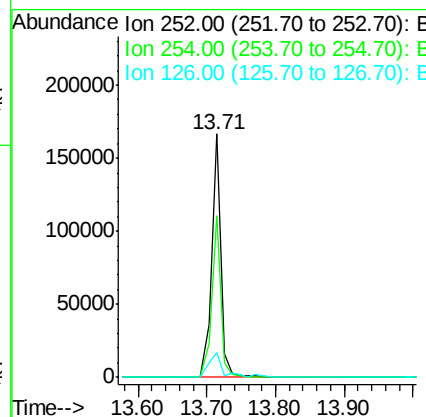
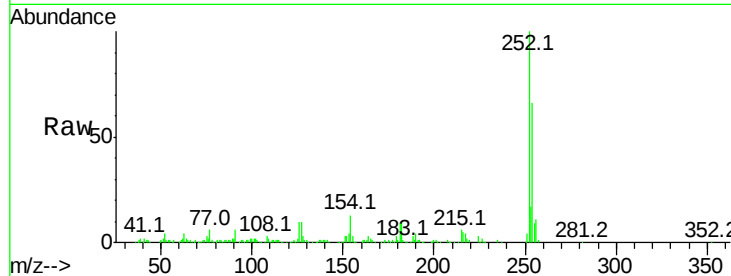
#81
 3,3'-Dichlorobenzidine
 Concen: 18.59 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	66.4	50.7	76.1	
126	10.1	12.7	19.1	

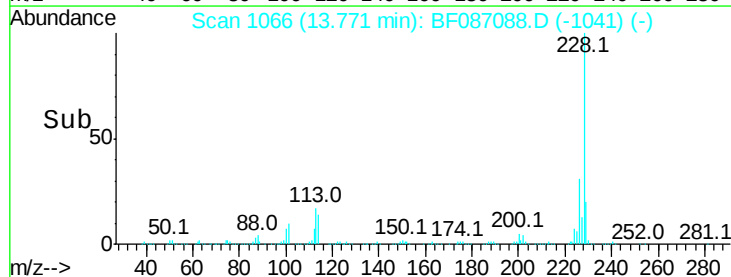
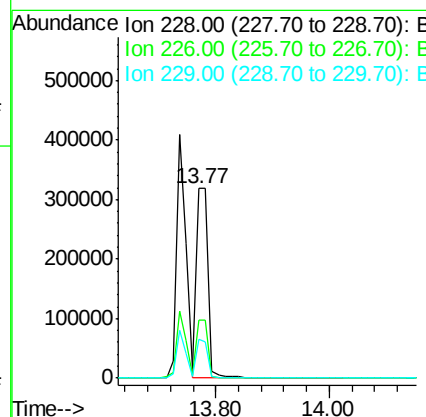
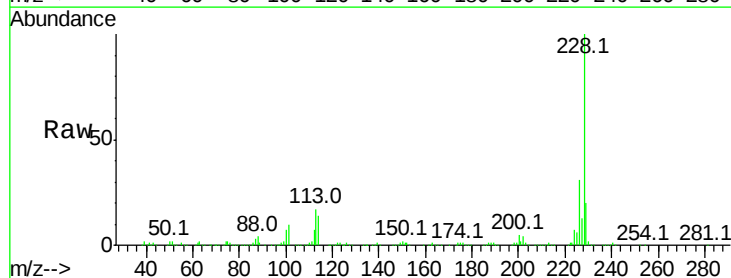
Manual Integrations
 APPROVED

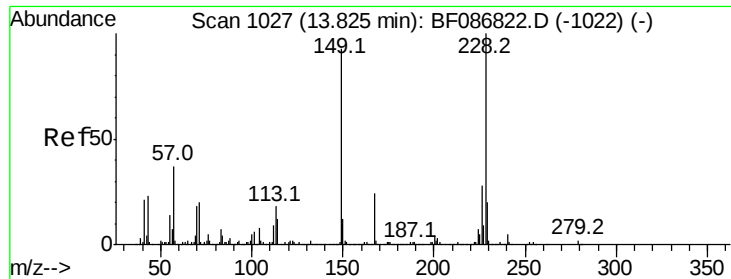
umangi
 5/17/2016 7:15:45 PM



#82
 Chrysene
 Concen: 33.97 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.7	24.4	36.6	
229	20.2	15.8	23.8	





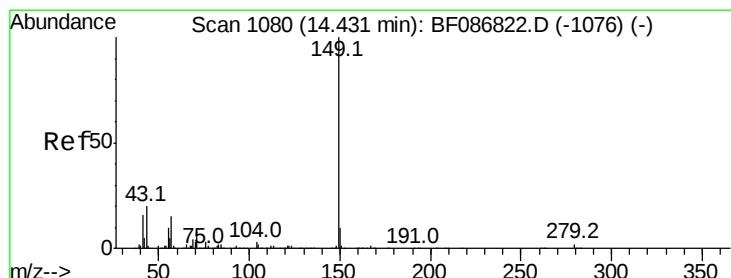
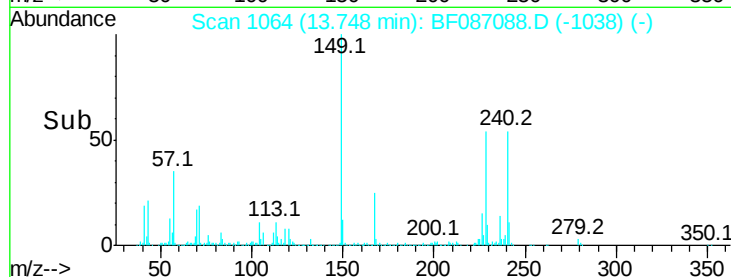
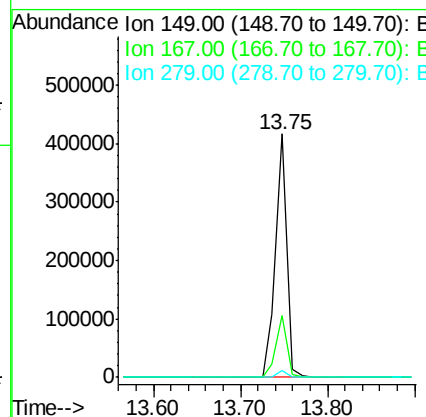
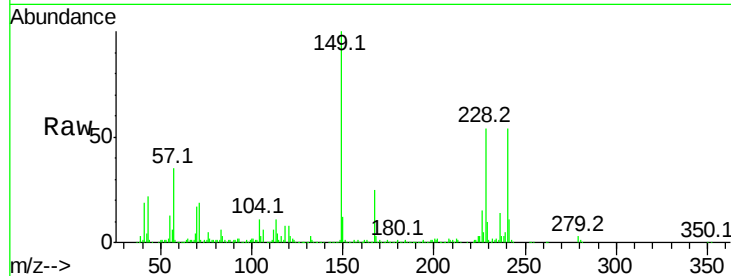
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.93 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Instrument :
 BNA_F
 ClientSampleID :
 PB90651BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	25.3	21.8	32.6	
279	3.0	2.6	4.0	

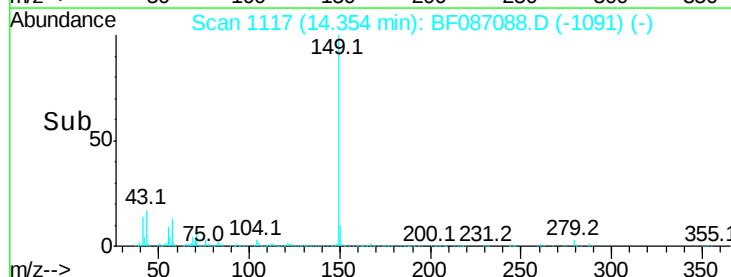
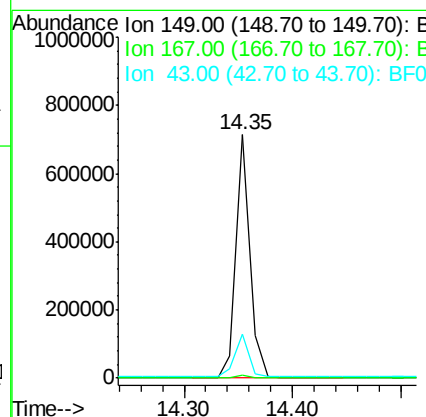
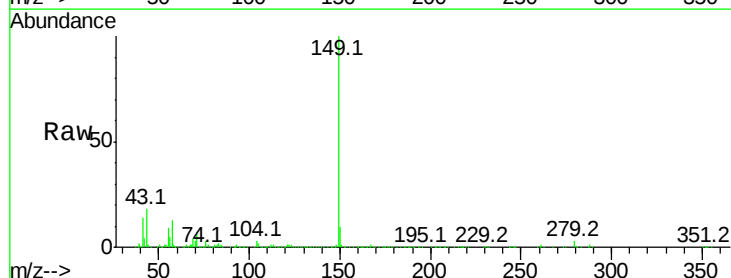
Manual Integrations
 APPROVED

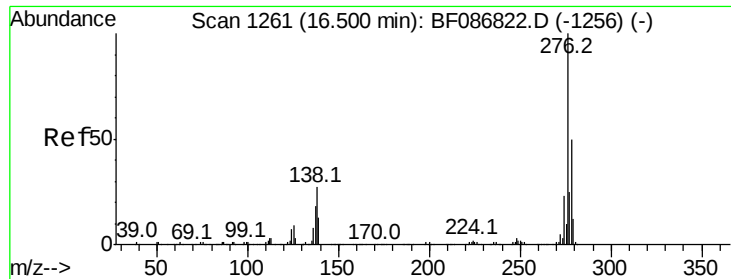
umangi
 5/17/2016 7:15:45 PM



#84
 Di-n-octyl phthalate
 Concen: 40.95 ng
 RT: 14.35 min Scan# 1117
 Delta R.T. -0.00 min
 Lab File: BF087088.D
 Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.8	1.2	1.8	
43	17.8	8.2	12.4	





#85

Indeno(1,2,3-cd)pyrene

Concen: 32.46 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

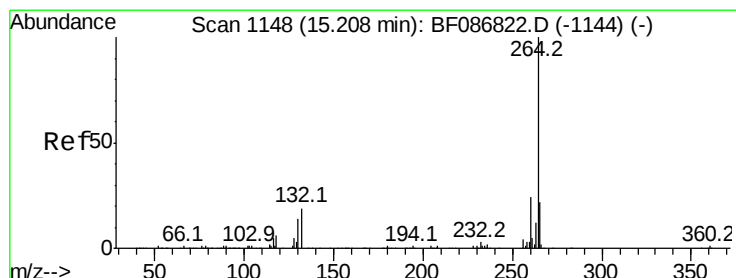
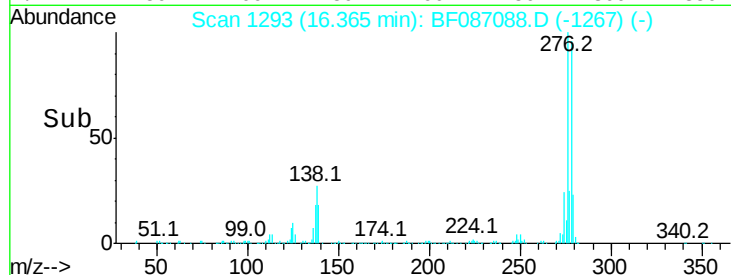
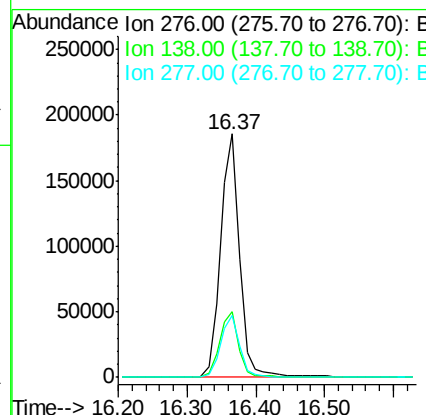
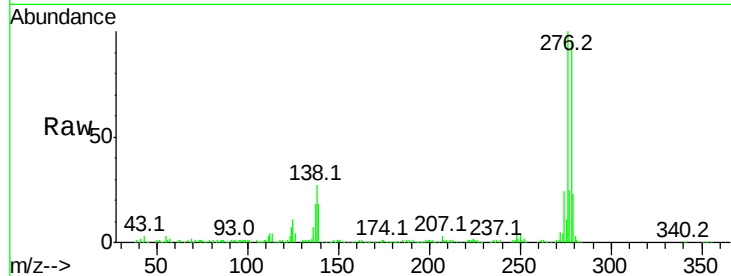
ClientSampleId :

PB90651BS

Tot Ion:	276	Resp:	364531
Ion Ratio	Lower	Upper	
276	100		
138	27.6	25.6	38.4
277	26.0	20.5	30.7

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#86

Perylene-d12

Concen: 20.00 ng

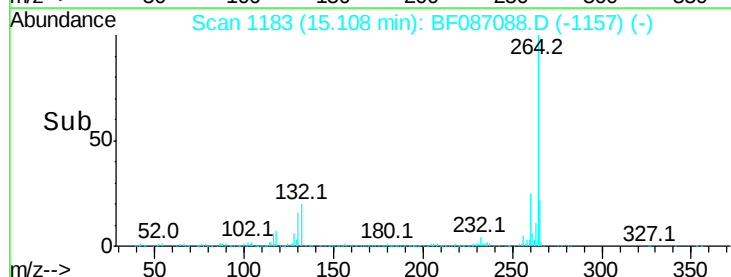
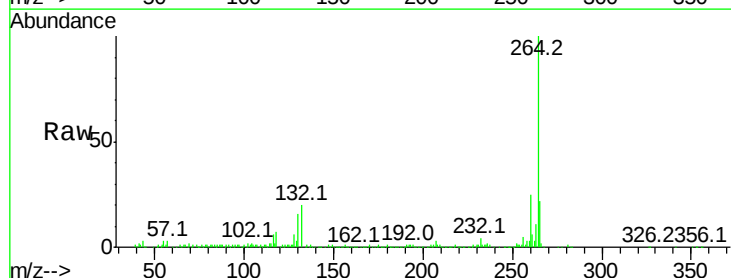
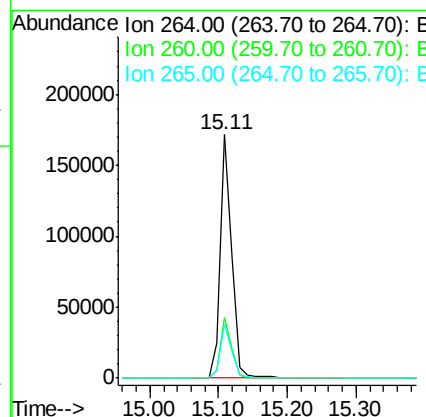
RT: 15.11 min Scan# 1183

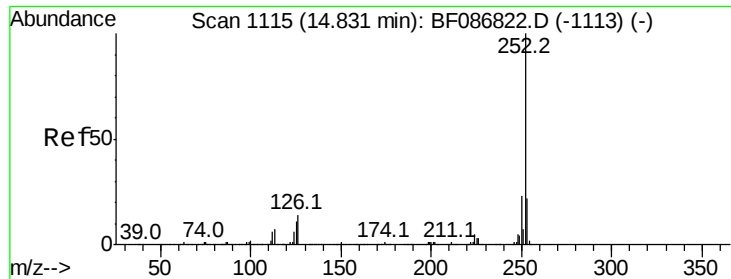
Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion:	264	Resp:	203872
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	22.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 31.24 ng m

RT: 14.74 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

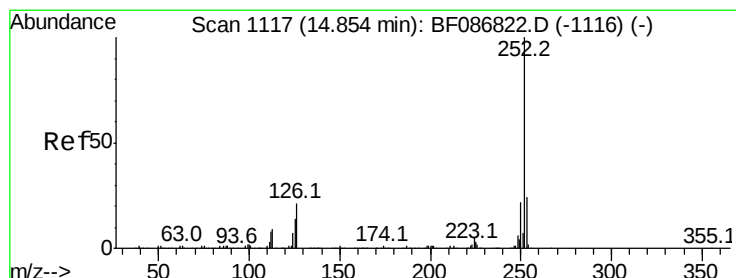
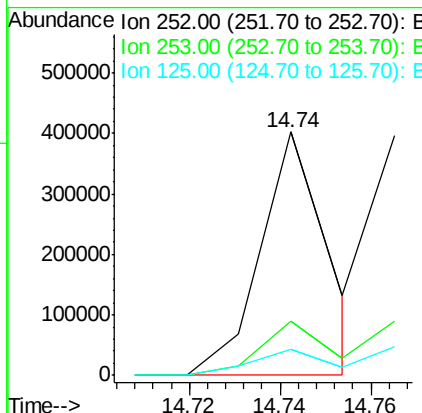
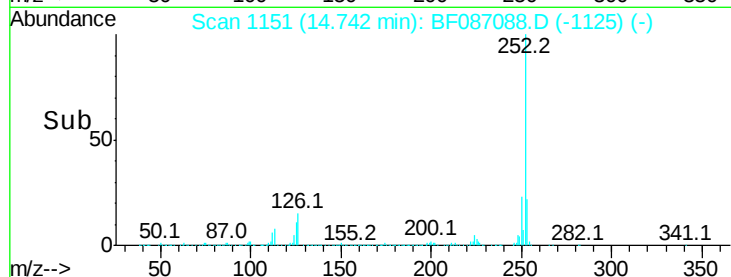
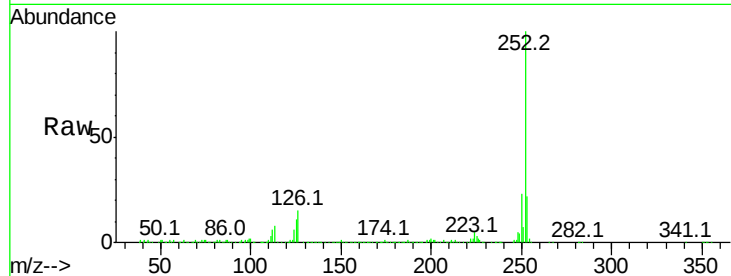
ClientSampleId :

PB90651BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.9	11.4	17.0

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM



#88

Benzo(k)fluoranthene

Concen: 35.53 ng m

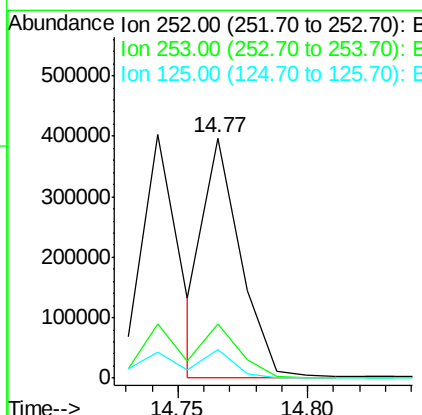
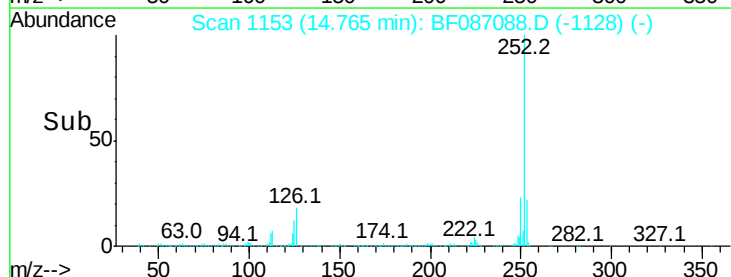
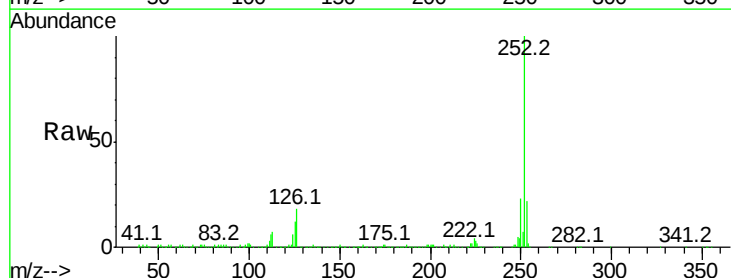
RT: 14.77 min Scan# 1153

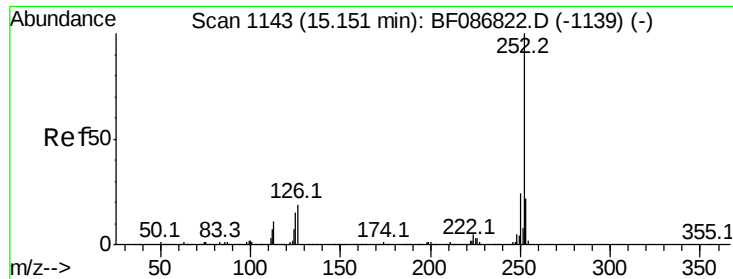
Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	11.8	9.1	13.7





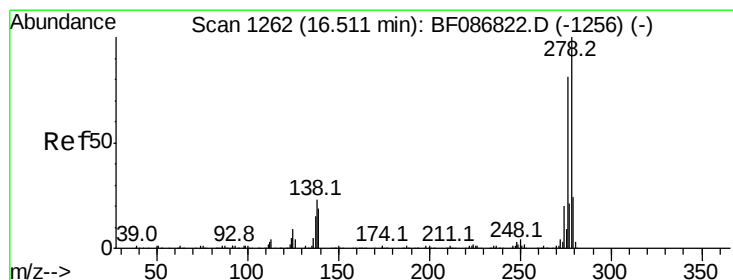
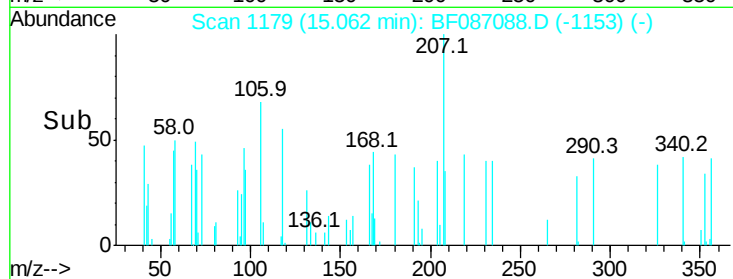
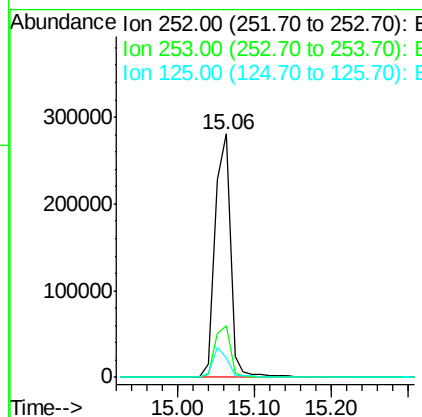
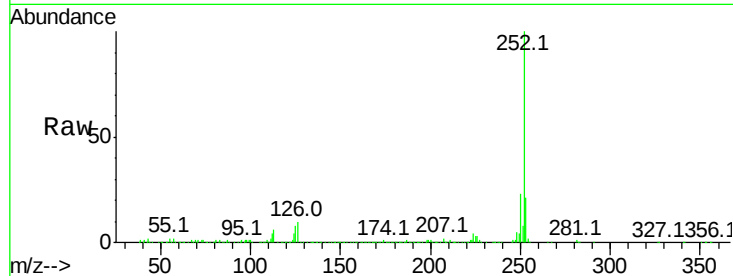
#89
Benzo(a)pyrene
Concen: 33.86 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Instrument :
BNA_F
ClientSampleId :
PB90651BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.3	17.2	25.8
125	8.0	9.0	13.6

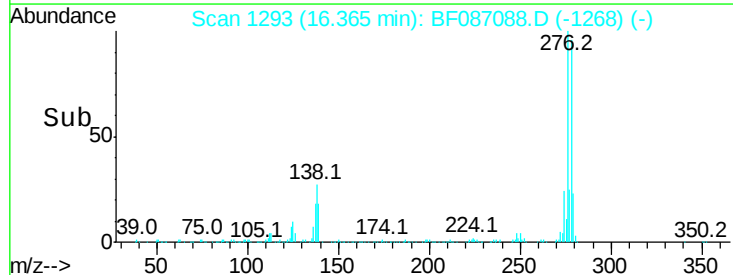
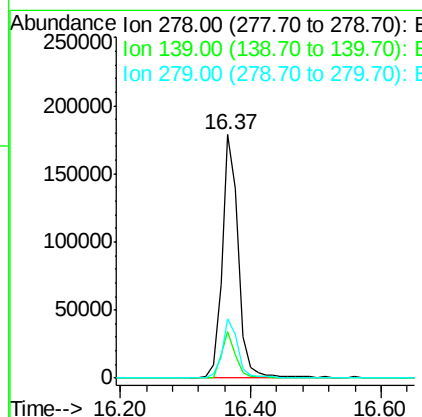
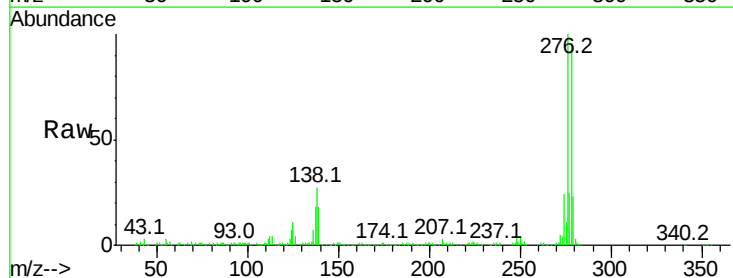
Manual Integrations
APPROVED

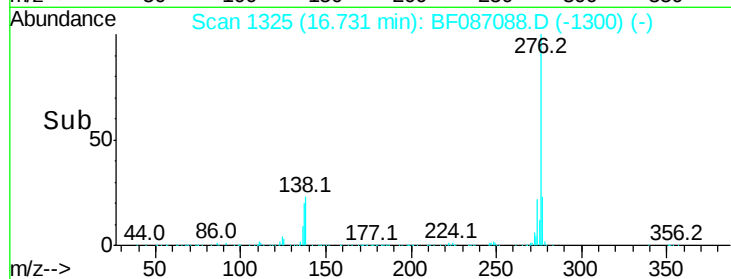
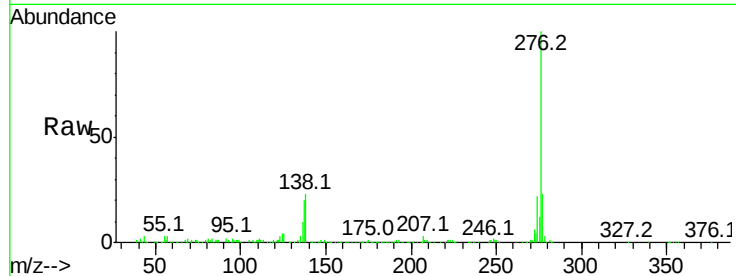
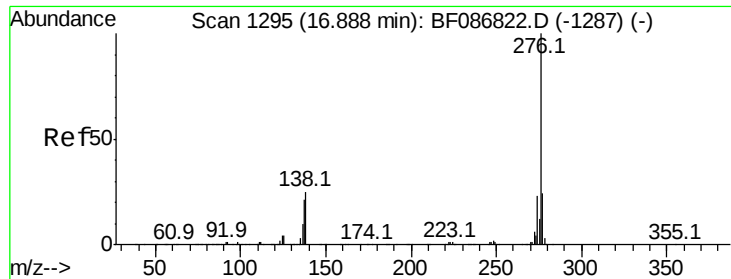
umangi
5/17/2016 7:15:45 PM



#90
Dibenzo(a,h)anthracene
Concen: 32.36 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF087088.D
Acq: 16 May 2016 18:26

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.2	16.6	24.8
279	24.2	19.6	29.4





#91

Benzo(a,h,i)perylene

Concen: 29.94 ng

RT: 16.73 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF087088.D

Acq: 16 May 2016 18:26

Instrument :

BNA_F

ClientSampleId :

PB90651BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.9	19.6	29.4
138	23.4	23.6	35.4#

Manual Integrations
APPROVED

umangi
5/17/2016 7:15:45 PM

