

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091653.D
 Acq On : 16 Dec 2016 4:06
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM

Quant Time: Dec 16 06:09:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	206143	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	927137	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	409734	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	601814	20.00	ng	0.00
75) Chrysene-d12	13.94	240	419536	20.00	ng	0.00
86) Perylene-d12	15.35	264	420736	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	1006985	82.30	ng	0.00
7) Phenol-d6	6.43	99	1287374	84.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	1244478	74.92	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	238221	70.00	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1580070	66.63	ng	0.00
78) Terphenyl-d14	12.89	244	1500995	81.18	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.32	88	229057	35.47	ng	# 85
3) Pyridine	3.01	79	661538	38.45	ng	# 83
4) n-Nitrosodimethylamine	2.97	42	291150	39.39	ng	# 75
6) Aniline	6.45	93	844842	42.24	ng	# 64
8) 2-Chlorophenol	6.57	128	622388	45.07	ng	88
9) Benzaldehyde	6.33	77	441116	42.02	ng	87
10) Phenol	6.44	94	749300	42.01	ng	84
11) bis(2-Chloroethyl)ether	6.52	93	587381	43.84	ng	92
12) 1,3-Dichlorobenzene	6.73	146	616314	41.15	ng	98
13) 1,4-Dichlorobenzene	6.81	146	647177	43.81	ng	98
14) 1,2-Dichlorobenzene	6.96	146	600471	45.11	ng	99
15) Benzyl Alcohol	6.93	79	556606	46.22	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	793999	38.24	ng	80
17) 2-Methylphenol	7.05	107	490350	42.91	ng	# 77
18) Hexachloroethane	7.30	117	214071	37.13	ng	# 85
19) n-Nitroso-di-n-propylamine	7.21	70	387199	40.59	ng	# 83
20) 3+4-Methylphenols	7.21	107	538727	43.55	ng	# 77
22) Acetophenone	7.20	105	802450	36.12	ng	# 94
24) Nitrobenzene	7.38	77	635143	36.19	ng	# 68
25) Isophorone	7.62	82	1172203	39.70	ng	96
26) 2-Nitrophenol	7.69	139	280284	36.18	ng	92
27) 2,4-Dimethylphenol	7.73	122	509554	37.45	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	655305	37.83	ng	99
29) 2,4-Dichlorophenol	7.94	162	425035	35.91	ng	94
30) 1,2,4-Trichlorobenzene	8.02	180	569042	42.30	ng	98
31) Naphthalene	8.10	128	1906572	44.20	ng	100
32) Benzoic acid	7.85	122	315511	33.92	ng	96
33) 4-Chloroaniline	8.14	127	675063	36.32	ng	98
34) Hexachlorobutadiene	8.21	225	261335	33.89	ng	96
35) Caprolactam	8.52	113	152003	43.97	ng	# 54
36) 4-Chloro-3-methylphenol	8.64	107	497359	37.46	ng	96
37) 2-Methylnaphthalene	8.78	142	1012392	36.26	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	422479	37.59	ng	98
40) Hexachlorocyclopentadiene	8.94	237	43168	8.62	ng	99

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091653.D
 Acq On : 16 Dec 2016 4:06
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM

Quant Time: Dec 16 06:09:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	271454	37.59	nq	96
43) 2,4,5-Trichlorophenol	9.10	196	243502	32.82	nq	# 79
45) 1,1'-Biphenyl	9.25	154	1168299	39.37	nq	96
46) 2-Chloronaphthalene	9.28	162	844899	36.76	nq	99
47) 2-Nitroaniline	9.37	65	269025	34.81	nq	# 83
48) Acenaphthylene	9.69	152	1430657	40.84	nq	99
49) Dimethylphthalate	9.55	163	1040816	40.12	nq	97
50) 2,6-Dinitrotoluene	9.62	165	258658	45.42	nq	# 61
51) Acenaphthene	9.86	154	888721	36.53	nq	97
52) 3-Nitroaniline	9.78	138	268771	40.18	nq	93
53) 2,4-Dinitrophenol	9.88	184	15014	9.04	nq	# 81
54) Dibenzofuran	10.03	168	1248867	41.49	nq	98
55) 4-Nitrophenol	9.95	139	195248	39.23	nq	# 73
56) 2,4-Dinitrotoluene	10.02	165	312467	43.78	nq	95
57) Fluorene	10.37	166	934391	43.24	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.16	232	235222	40.49	nq	98
59) Diethylphthalate	10.25	149	1083873	43.39	nq	100
60) 4-Chlorophenyl-phenylether	10.37	204	438727	40.53	nq	97
61) 4-Nitroaniline	10.40	138	305480	45.95	nq	88
62) Azobenzene	10.52	77	1107708	39.13	nq	87
64) 4,6-Dinitro-2-methylphenol	10.42	198	32106	11.19	nq	# 71
65) n-Nitrosodiphenylamine	10.49	169	854460	47.62	nq	100
66) 4-Bromophenyl-phenylether	10.85	248	268718	43.55	nq	96
67) Hexachlorobenzene	10.92	284	283765	44.23	nq	# 89
68) Atrazine	11.01	200	233237	40.43	nq	99
69) Pentachlorophenol	11.12	266	152636	42.27	nq	96
70) Phenanthrene	11.33	178	1382961	46.40	nq	100
71) Anthracene	11.38	178	1239244	38.55	nq	99
72) Carbazole	11.54	167	1008985	35.81	nq	99
73) Di-n-butylphthalate	11.88	149	1493125	45.48	nq	# 98
74) Fluoranthene	12.51	202	1232884	39.51	nq	94
76) Benzidine	12.64	184	539047	41.55	nq	99
77) Pyrene	12.74	202	1261426	37.90	nq	99
79) Butylbenzylphthalate	13.37	149	548193	42.25	nq	94
80) Benzo(a)anthracene	13.93	228	1007174	41.34	nq	100
81) 3,3'-Dichlorobenzidine	13.89	252	434794	49.70	nq	# 98
82) Chrysene	13.96	228	992002	38.92	nq	99
83) Bis(2-ethylhexyl)phthalate	13.93	149	698984	41.99	nq	100
84) Di-n-octyl phthalate	14.55	149	1349572	47.76	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.71	276	816383	35.59	nq	99
87) Benzo(b)fluoranthene	14.95	252	1340944m	53.46	nq	
88) Benzo(k)fluoranthene	14.98	252	671275m	30.44	nq	
89) Benzo(a)pyrene	15.29	252	904350	40.02	nq	99
90) Dibenzo(a,h)anthracene	16.72	278	721076	35.62	nq	99
91) Benzo(g,h,i)perylene	17.12	276	683239	33.17	nq	98

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

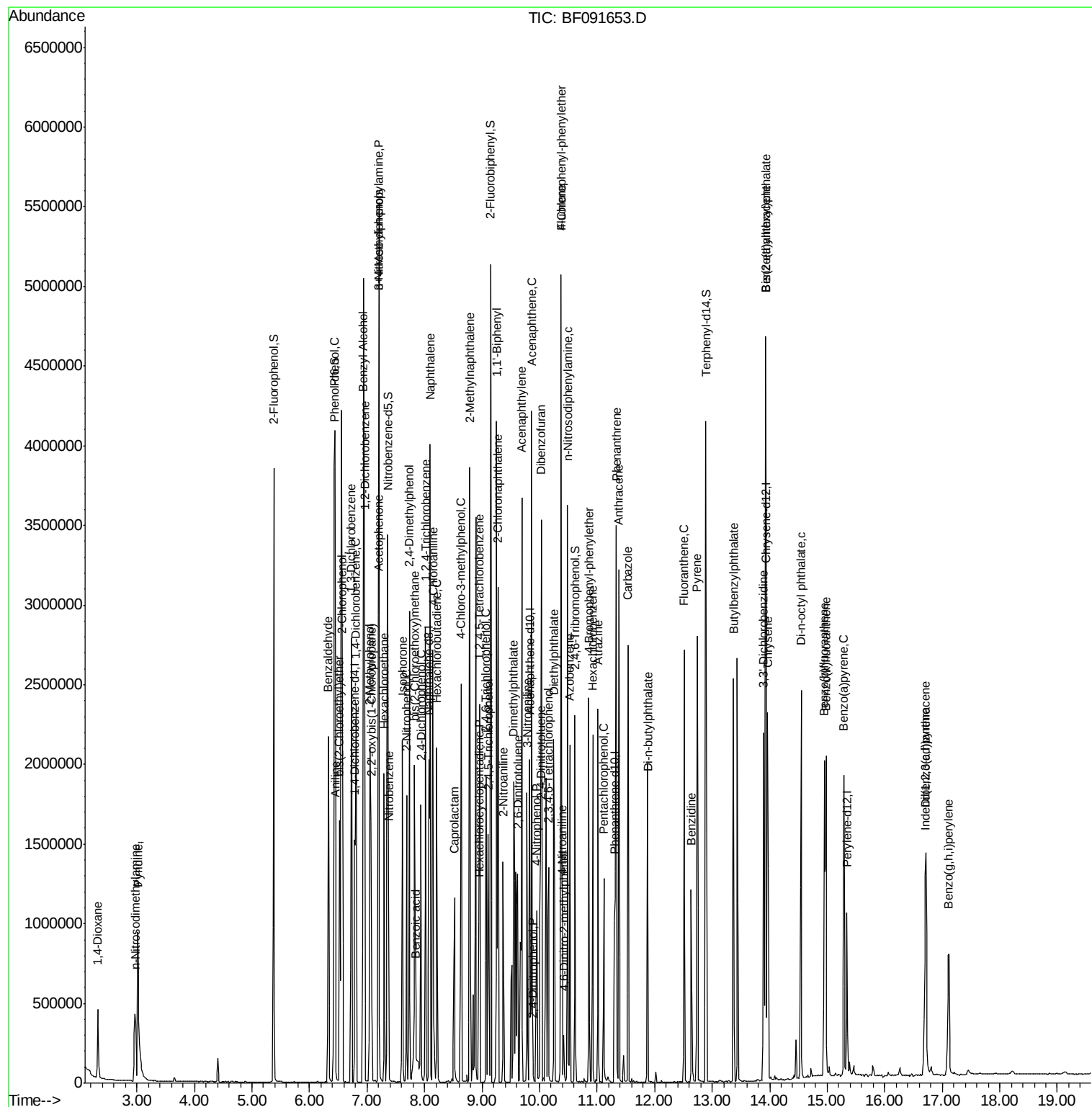
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091653.D
Acq On : 16 Dec 2016 4:06
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

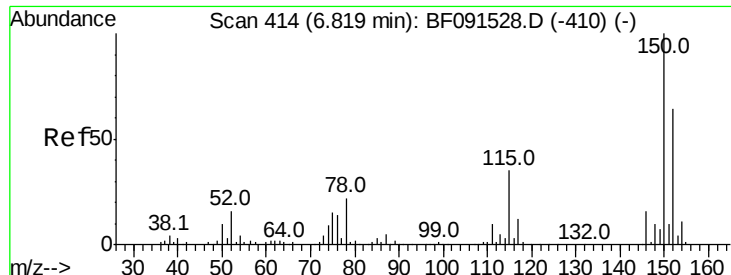
Instrument :
BNA_F
ClientSampled :
SSTDCCC040

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:22:36 PM

Quant Time: Dec 16 06:09:19 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:152 Resp: 206143

Ion Ratio Lower Upper

152 100

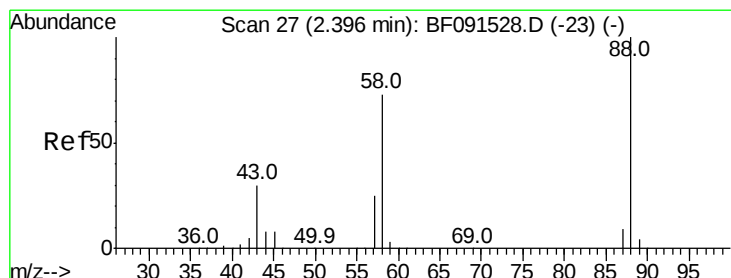
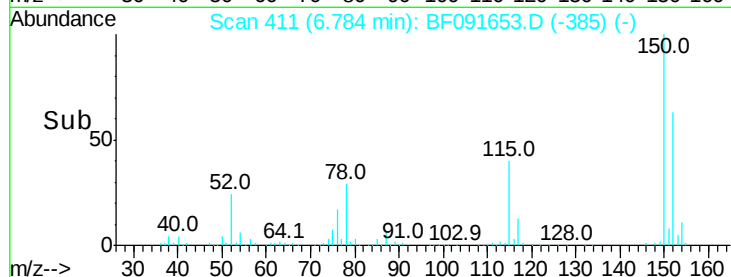
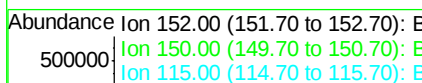
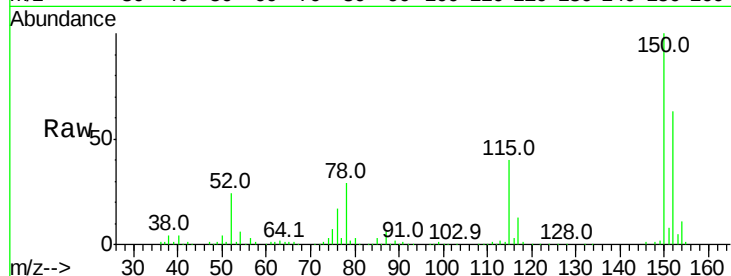
150 159.7 122.5 183.7

115 64.6 51.8 77.8

Manual Integrations
APPROVED

UMANGI

12/16/2016 6:22:36 PM



#2

1,4-Dioxane

Concen: 35.47 ng

RT: 2.32 min Scan# 20

Delta R.T. -0.01 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

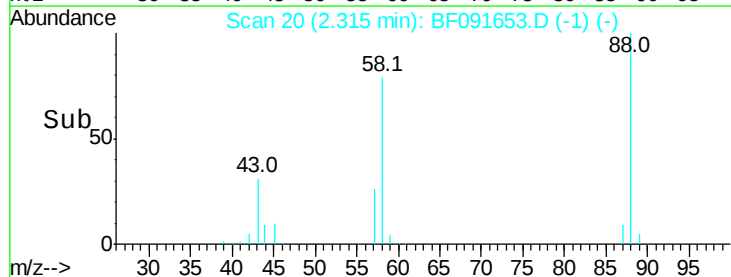
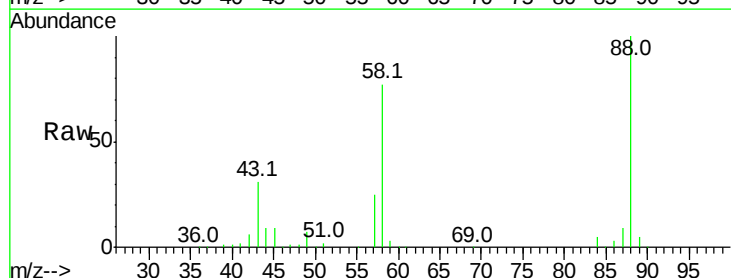
Tgt Ion: 88 Resp: 229057

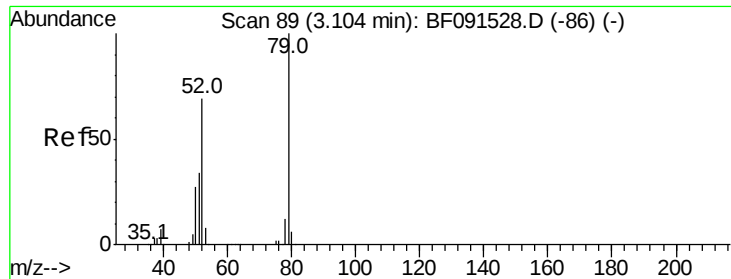
Ion Ratio Lower Upper

88 100

58 74.8 70.3 105.5

43 29.5 31.3 46.9#





#3

Pvridine

Concen: 38.45 ng

RT: 3.01 min Scan# 81

Delta R.T. -0.01 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

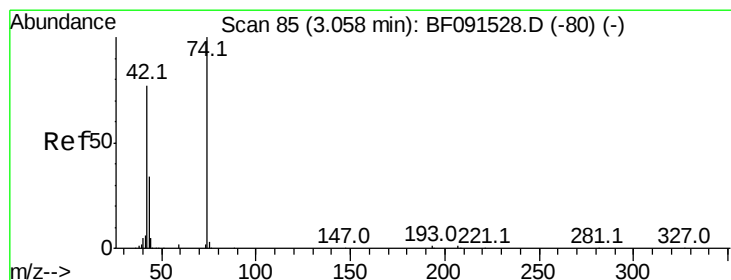
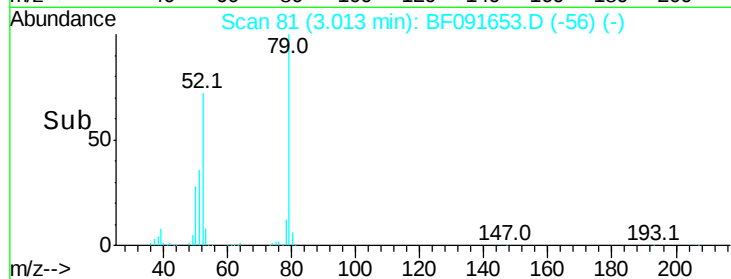
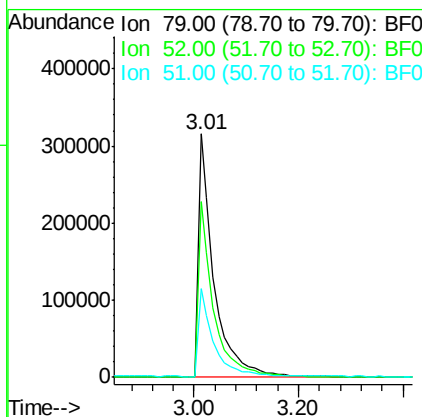
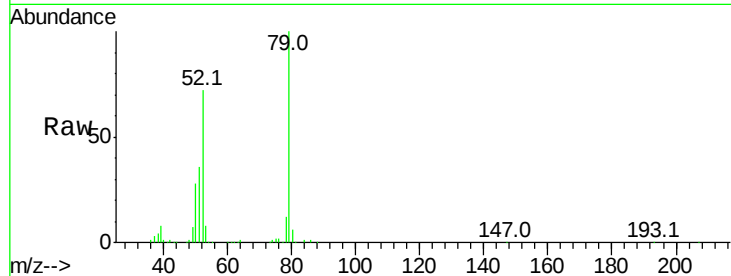
SSTDCCC040

Tot Ion: 79 Resp: 661538

Ion	Ratio	Lower	Upper
79	100		
52	72.3	71.0	106.4
51	36.3	37.0	55.4

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:22:36 PM



#4

n-Nitrosodimethylamine

Concen: 39.39 ng

RT: 2.97 min Scan# 77

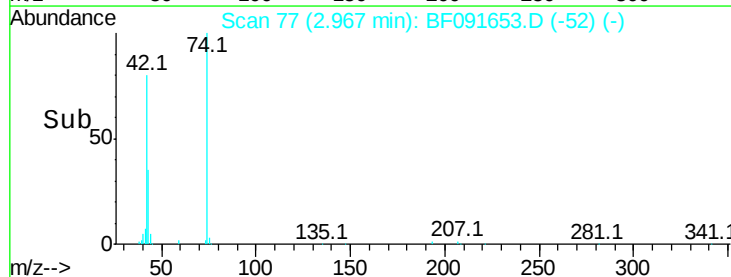
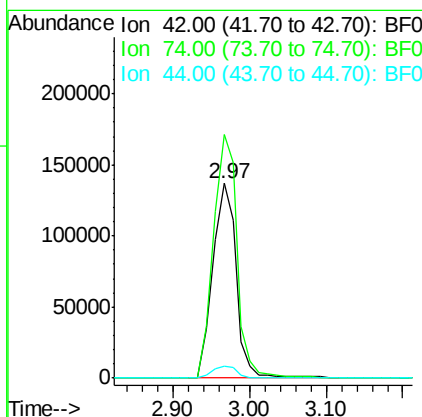
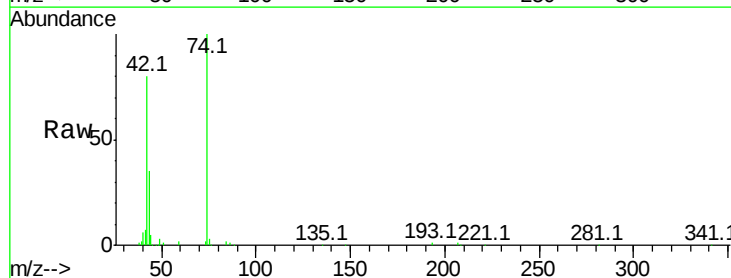
Delta R.T. -0.01 min

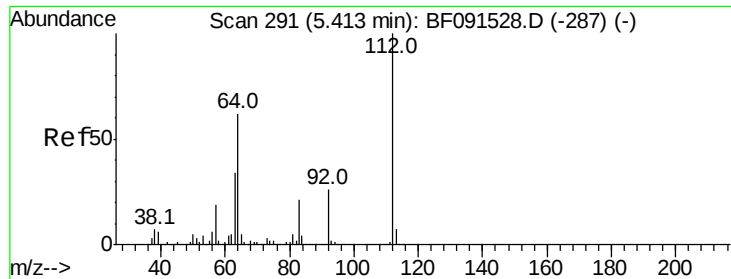
Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Tgt Ion: 42 Resp: 291150

Ion	Ratio	Lower	Upper
42	100		
74	125.2	78.9	118.3
44	6.1	5.8	8.6





#5

2-Fluorophenol

Concen: 82.30 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:112 Resp: 1006985

Ion Ratio Lower Upper

112 100

64 64.9 61.5 92.3

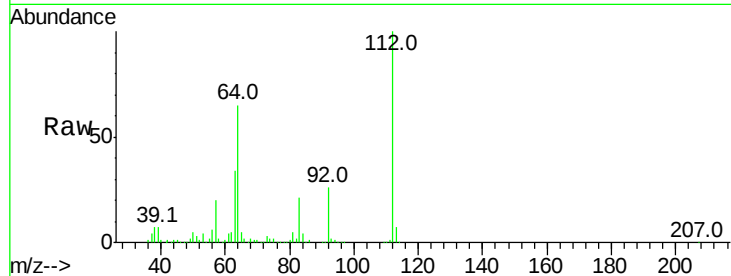
63 34.3 33.3 49.9

Manual Integrations

APPROVED

UMANGI

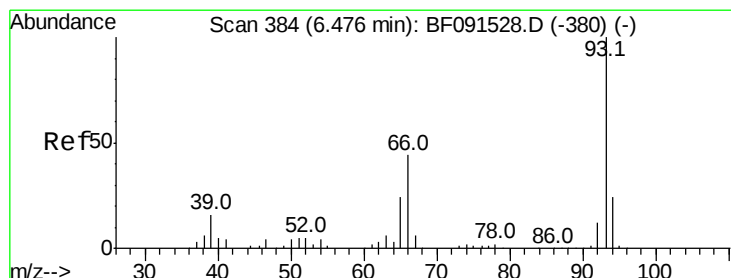
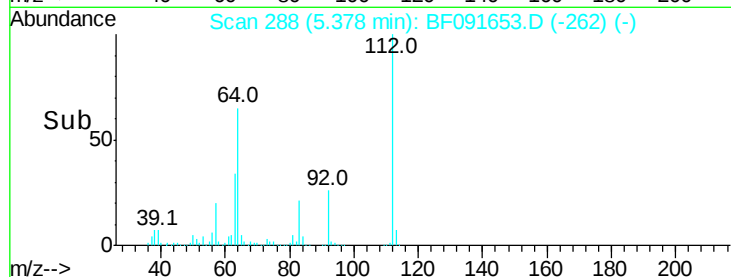
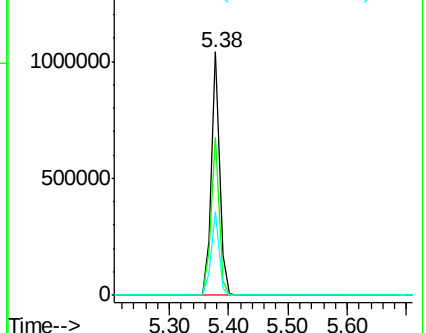
12/16/2016 6:22:36 PM



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 42.24 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

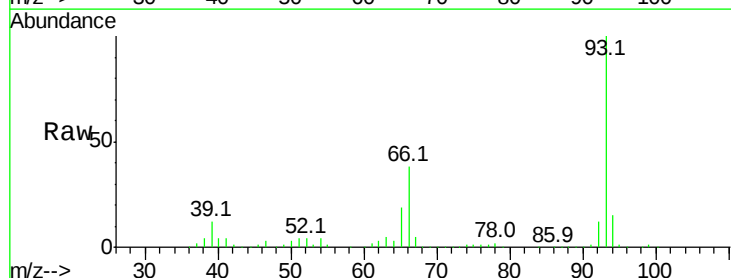
Tgt Ion: 93 Resp: 844842

Ion Ratio Lower Upper

93 100

66 37.8 55.8 83.6#

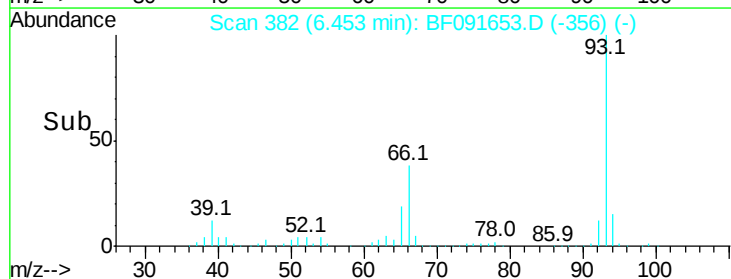
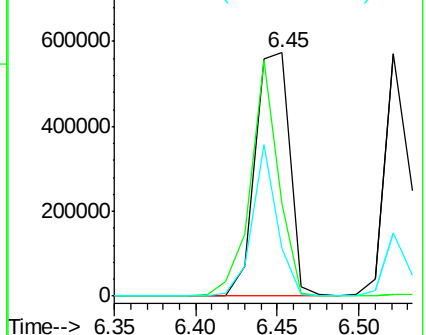
65 19.4 29.9 44.9#

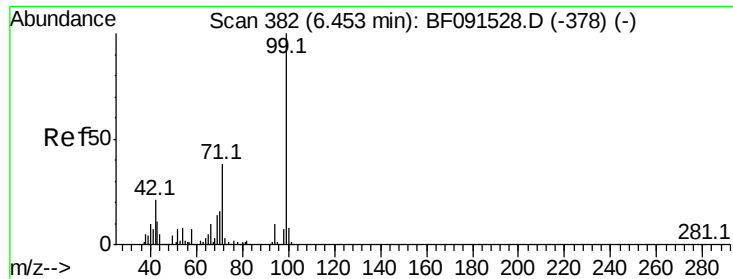


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 84.39 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion: 99 Resp: 1287374

Ion Ratio Lower Upper

99 100

42 19.9 20.6 31.0#

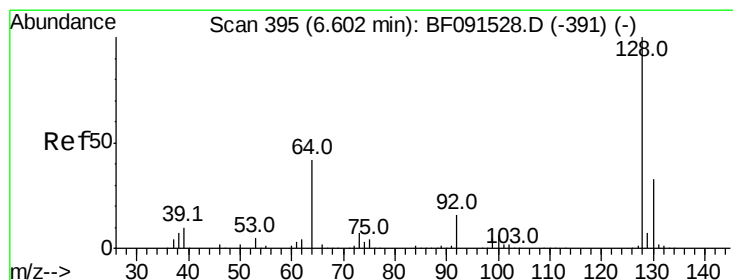
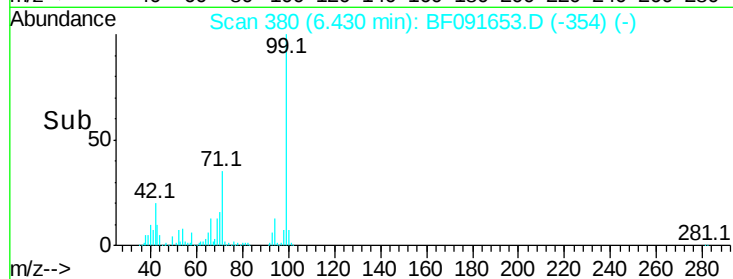
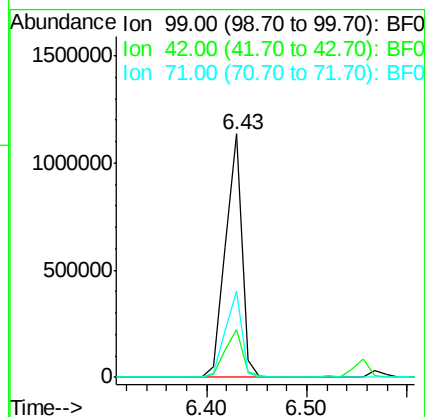
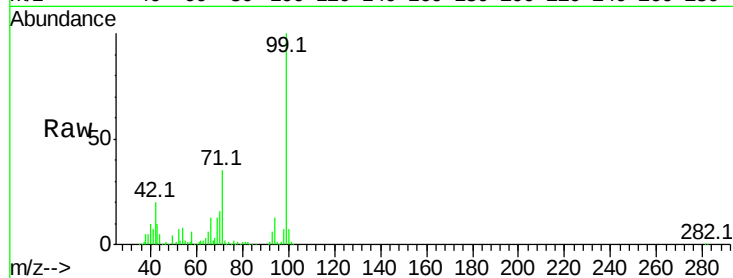
71 35.5 29.9 44.9

Manual Integrations

APPROVED

UMANGI

12/16/2016 6:22:36 PM



#8

2-Chlorophenol

Concen: 45.07 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

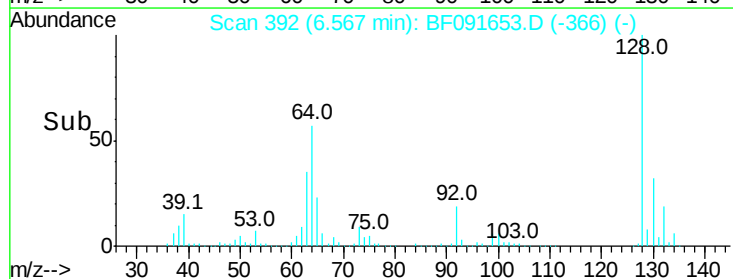
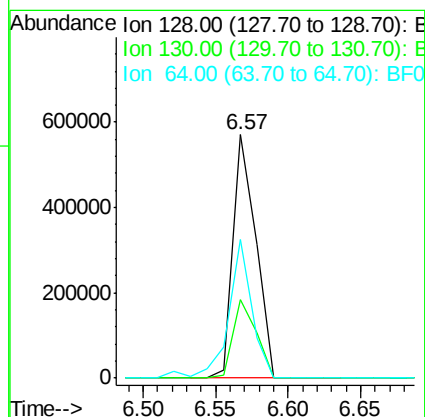
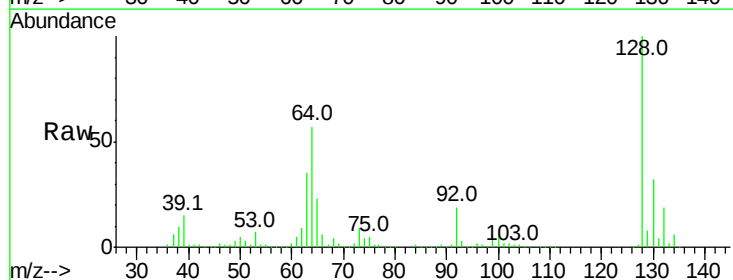
Tgt Ion: 128 Resp: 622388

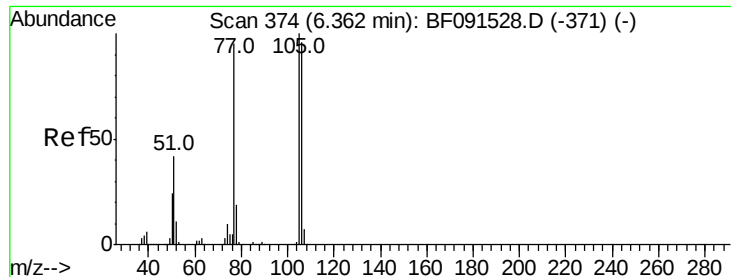
Ion Ratio Lower Upper

128 100

130 32.3 13.1 53.1

64 56.8 24.1 64.1





#9

Benzaldehyde

Concen: 42.02 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

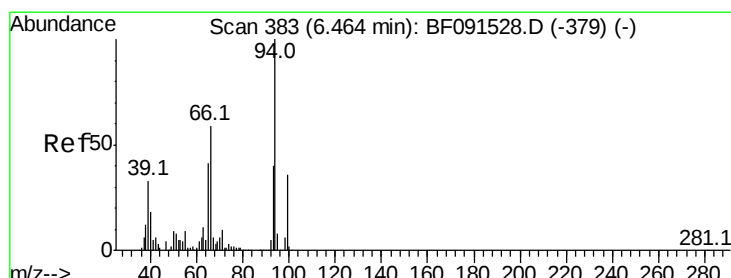
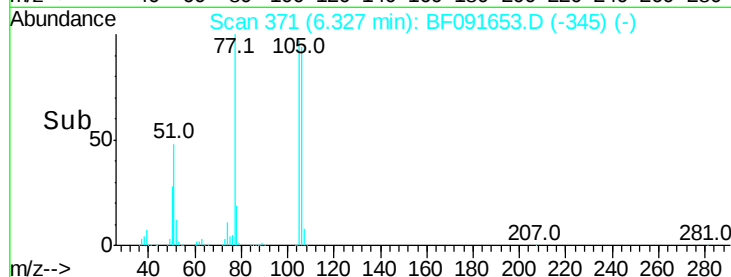
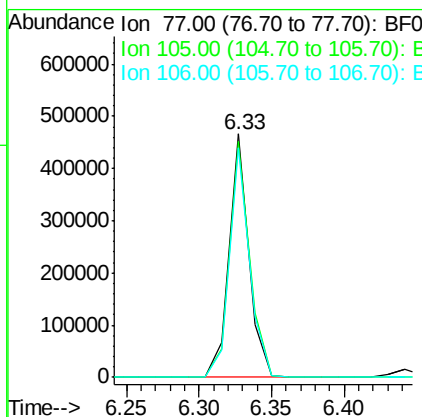
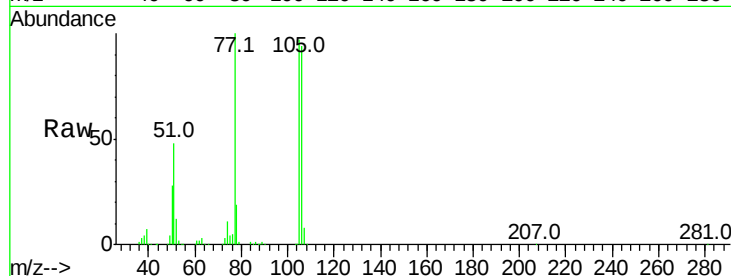
ClientSampleId :

SSTDCCC040

Tot Ion:	77	Resp:	441116
Ion Ratio	Lower	Upper	
77	100		
105	97.1	66.4	106.4
106	94.2	60.9	100.9

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:22:36 PM



#10

Phenol

Concen: 42.01 ng

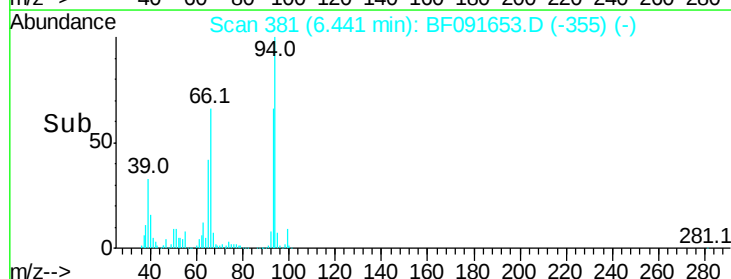
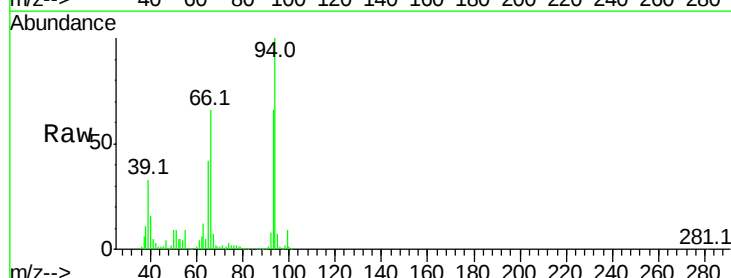
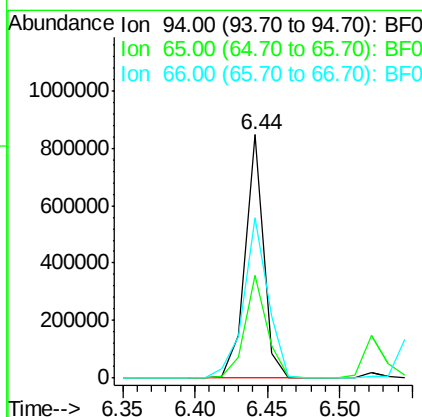
RT: 6.44 min Scan# 381

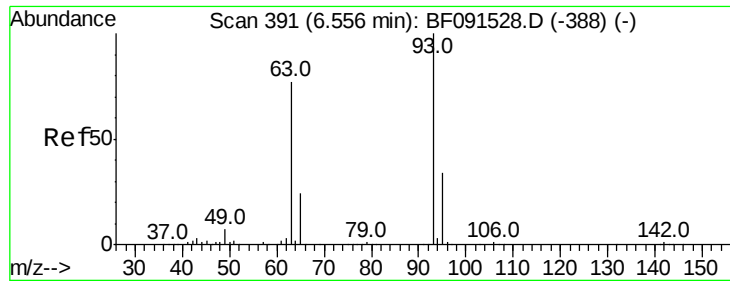
Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Tgt Ion:	94	Resp:	749300
Ion Ratio	Lower	Upper	
94	100		
65	42.3	16.9	56.9
66	65.7	30.6	70.6





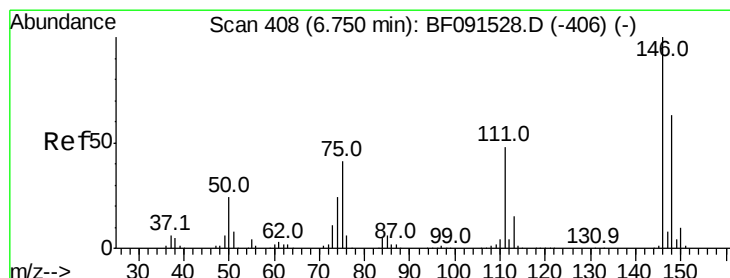
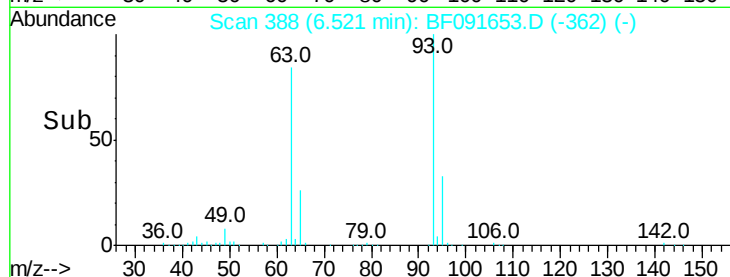
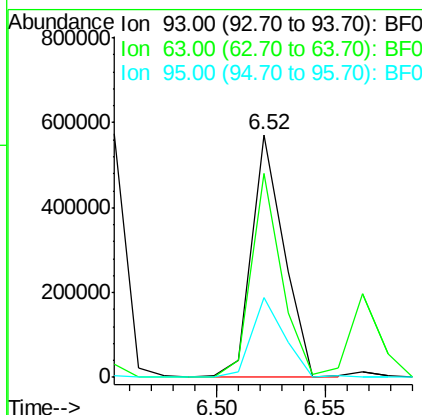
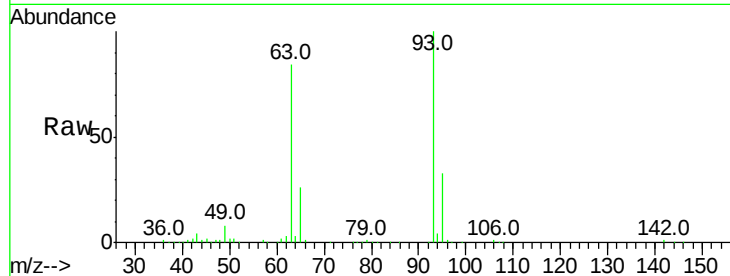
#11
bis(2-Chloroethyl)ether
Concen: 43.84 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.4	74.8	114.8
95	32.9	12.4	52.4

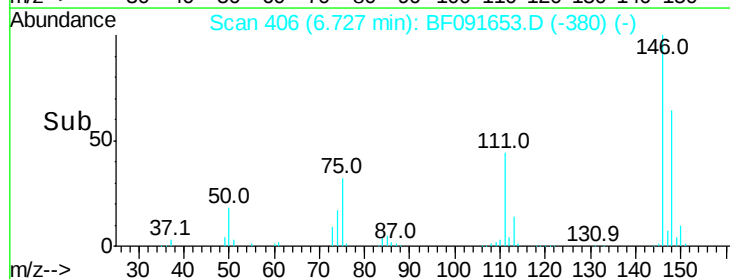
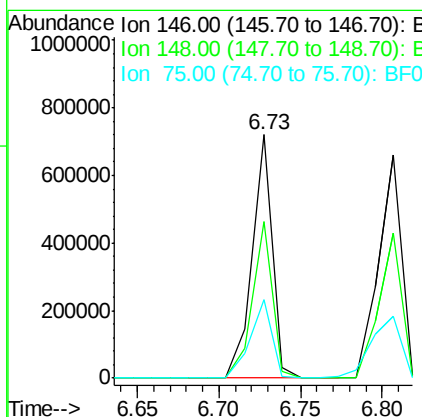
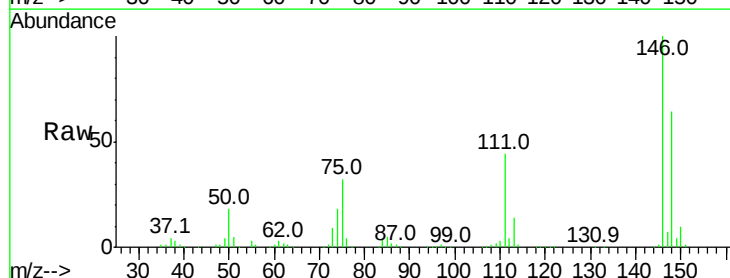
Manual Integrations
APPROVED

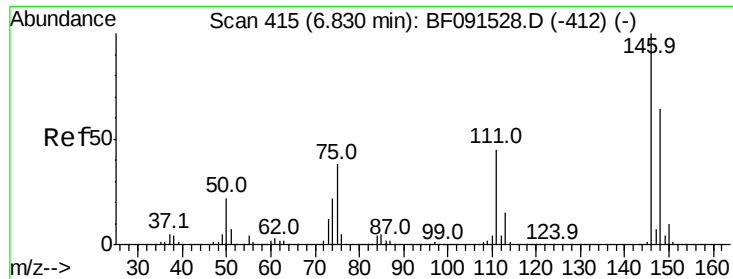
UMANGI
12/16/2016 6:22:36 PM



#12
1,3-Dichlorobenzene
Concen: 41.15 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	32.3	23.6	35.4





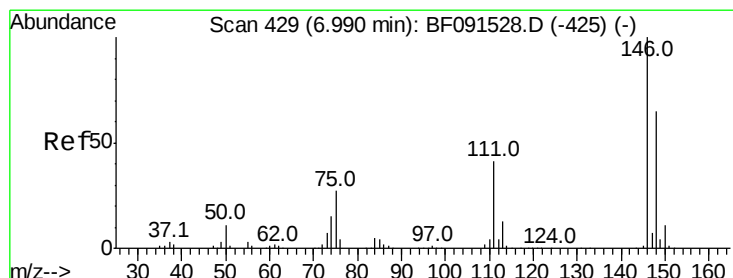
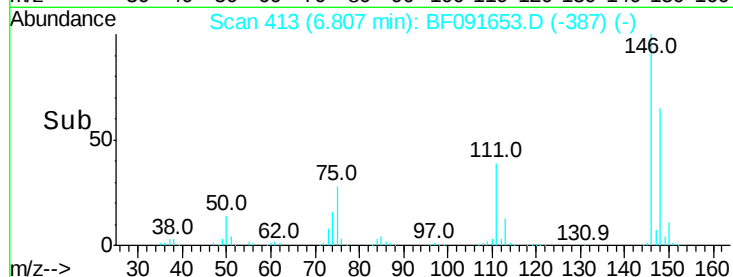
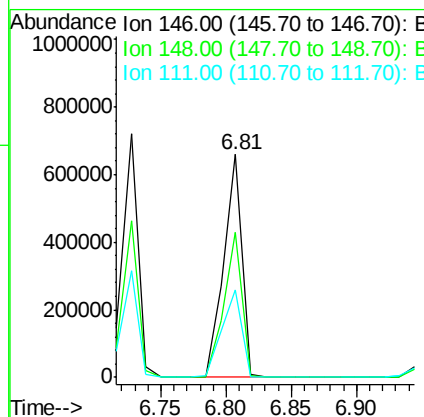
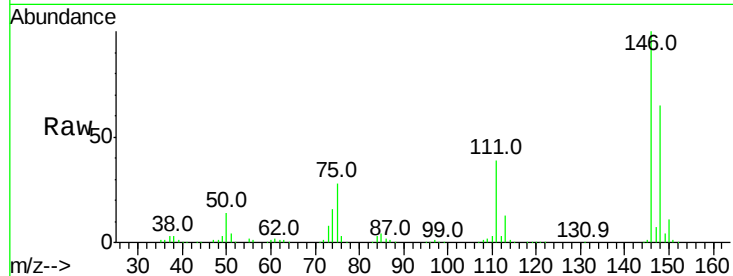
#13
 1,4-Dichlorobenzene
 Concen: 43.81 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.0
111	39.0	32.2	48.2

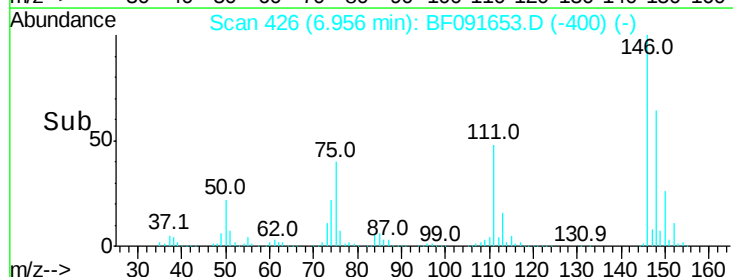
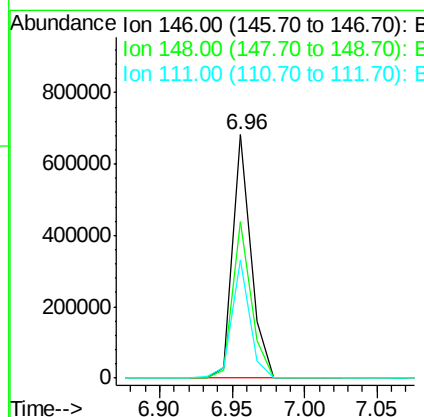
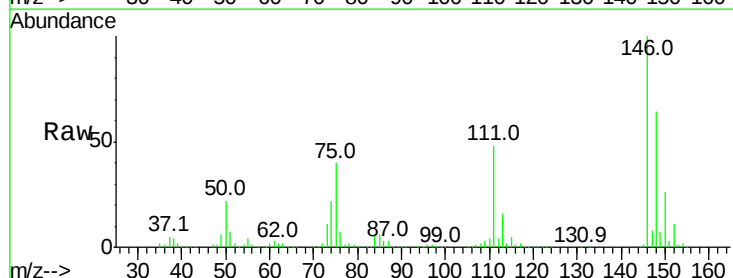
Manual Integrations
 APPROVED

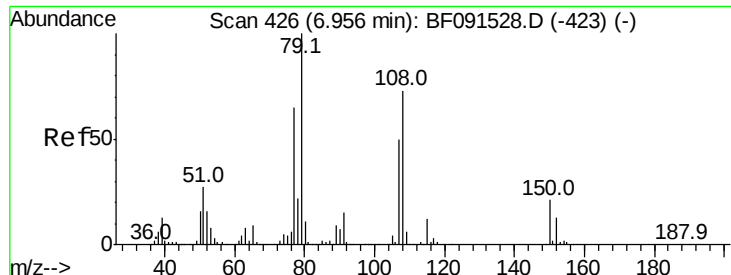
UMANGI
 12/16/2016 6:22:36 PM



#14
 1,2-Dichlorobenzene
 Concen: 45.11 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
111	48.4	38.9	58.3





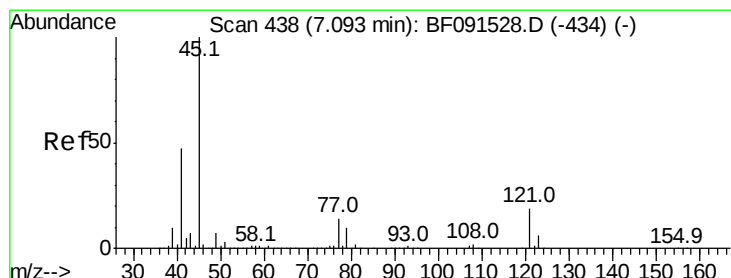
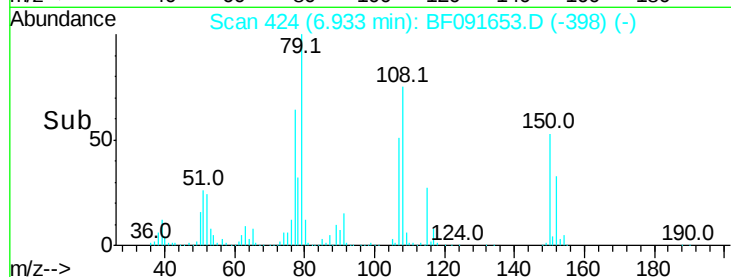
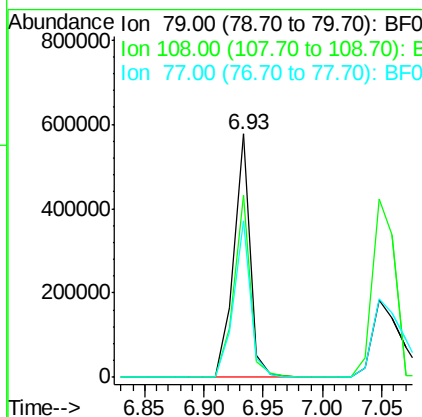
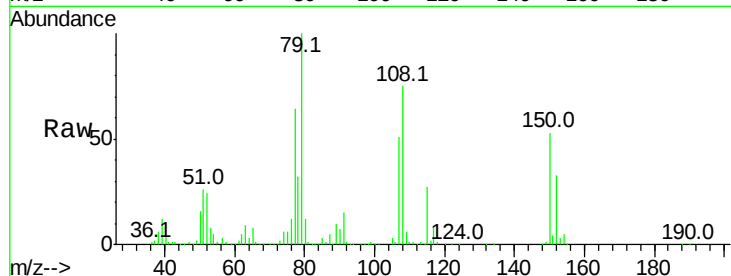
#15
Benzyl Alcohol
Concen: 46.22 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	74.8	62.7	94.1	
77	64.3	51.7	77.5	

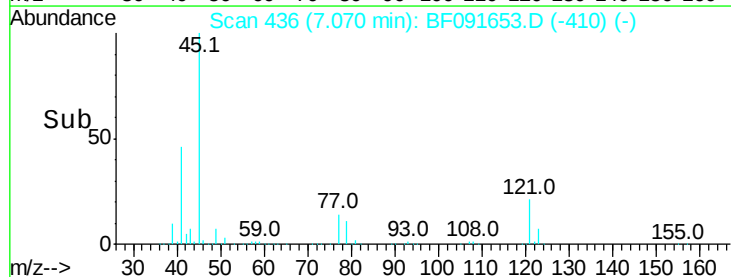
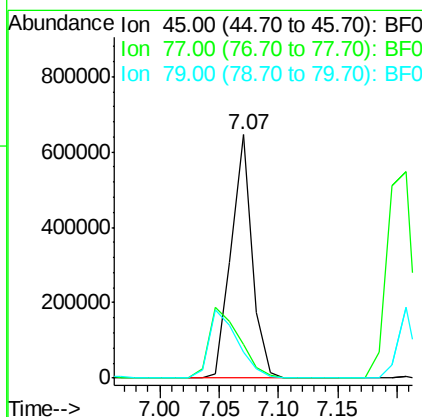
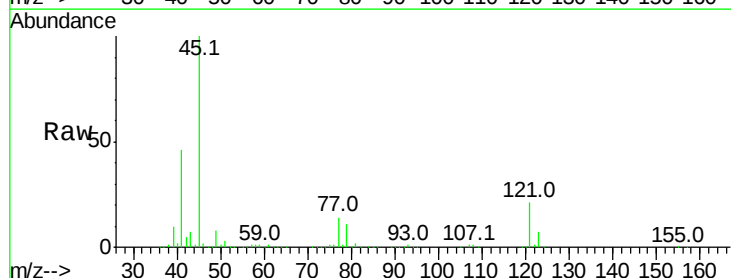
Manual Integrations
APPROVED

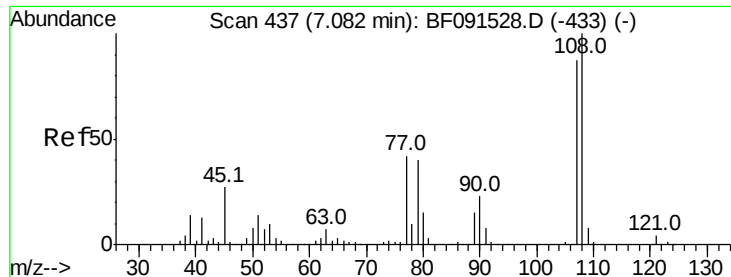
UMANGI
12/16/2016 6:22:36 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 38.24 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	13.8	3.8	43.8	
79	10.7	0.2	40.2	





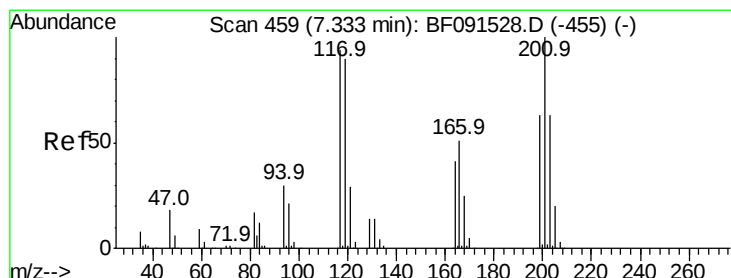
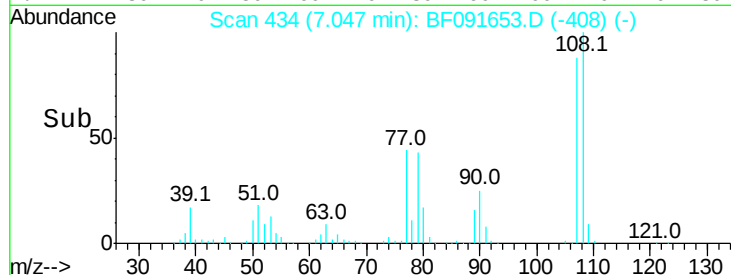
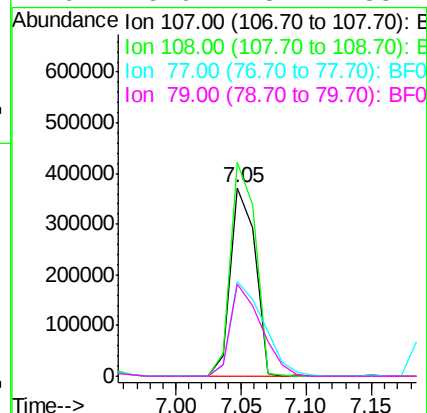
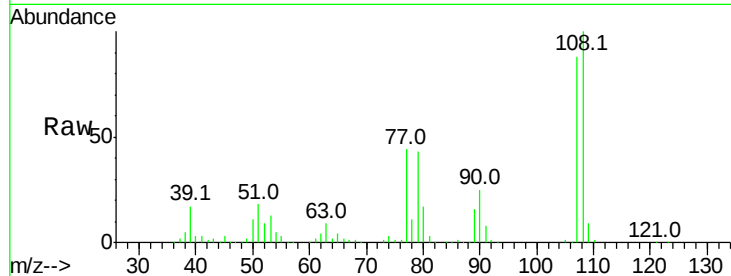
#17
2-Methylphenol
Concen: 42.91 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.2	67.7	101.5#
77	50.1	40.7	61.1
79	48.9	23.4	35.2#

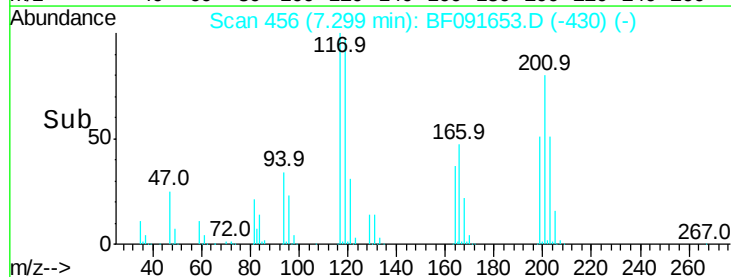
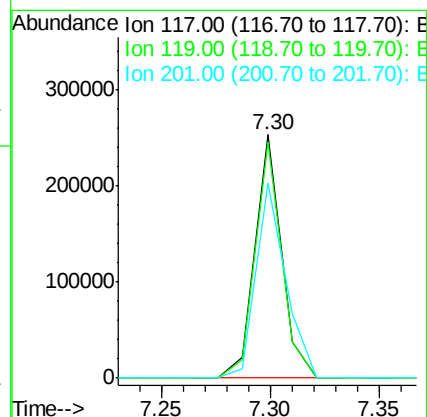
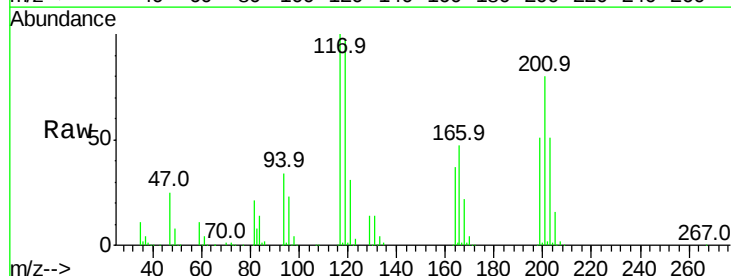
Manual Integrations
APPROVED

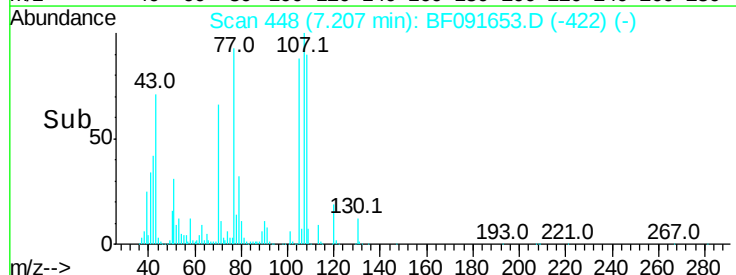
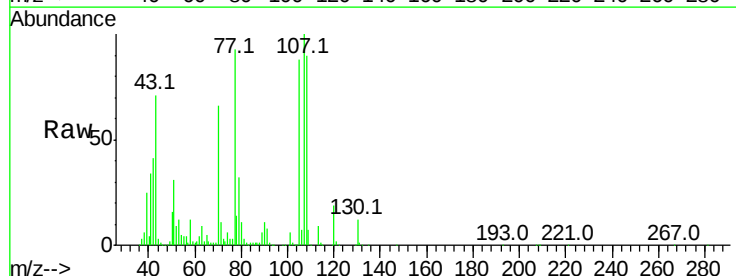
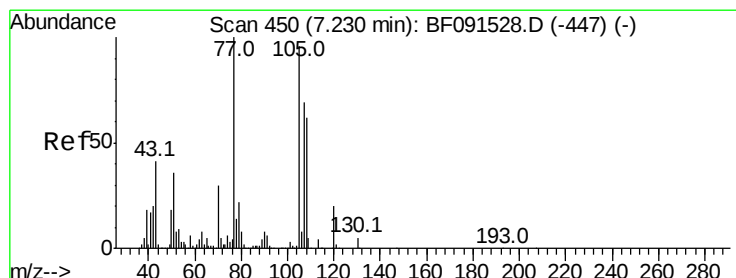
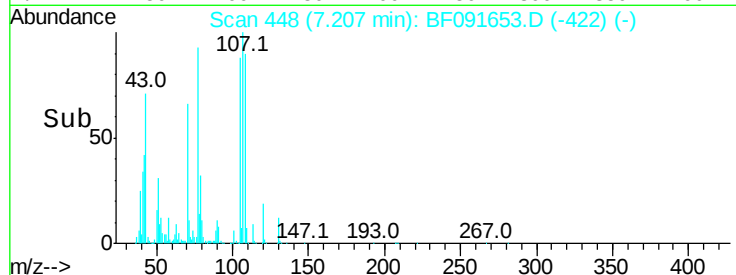
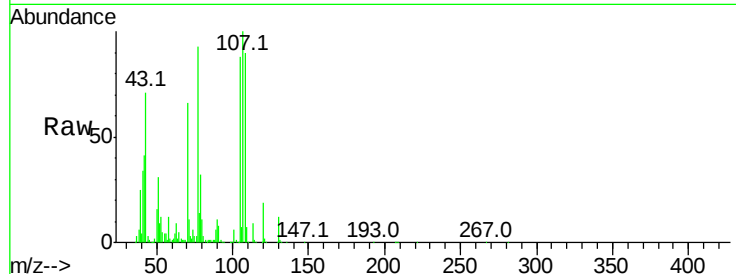
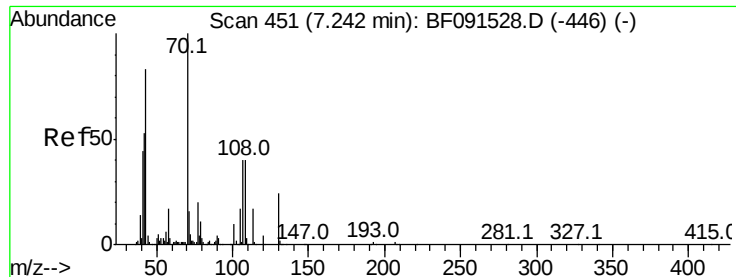
UMANGI
12/16/2016 6:22:36 PM



#18
Hexachloroethane
Concen: 37.13 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.6	118.0
201	80.3	86.7	130.1#





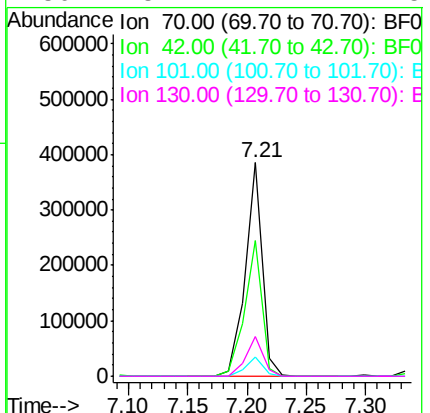
#19
n-Nitroso-di-n-propylamine
Concen: 40.59 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	63.3	64.8	97.2#	
101	9.1	6.2	9.4	
130	18.4	11.7	17.5#	

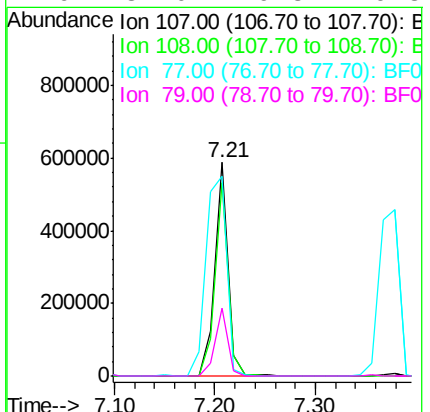
Manual Integrations
APPROVED

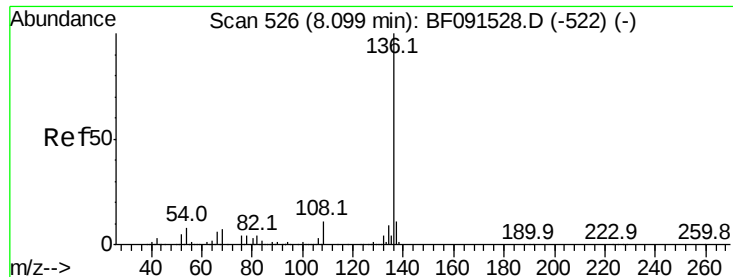
UMANGI
12/16/2016 6:22:36 PM



#20
3+4-Methylphenols
Concen: 43.55 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.3	64.6	104.6	
77	93.3	30.9	70.9#	
79	32.0	9.3	49.3	





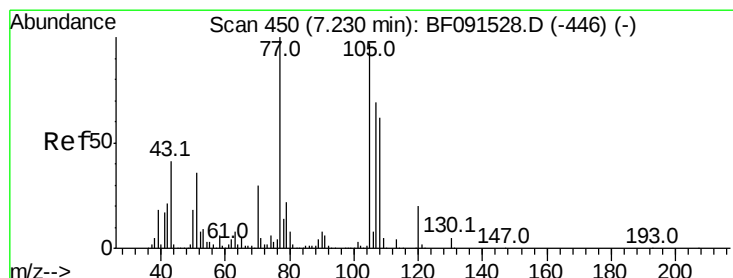
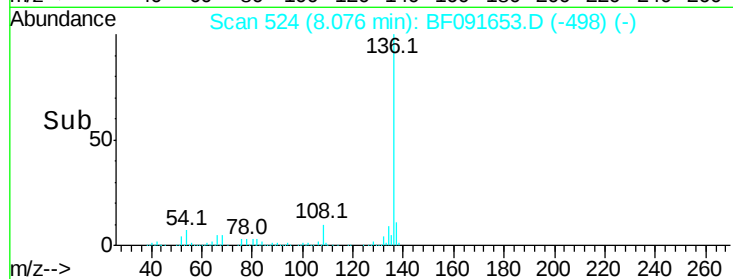
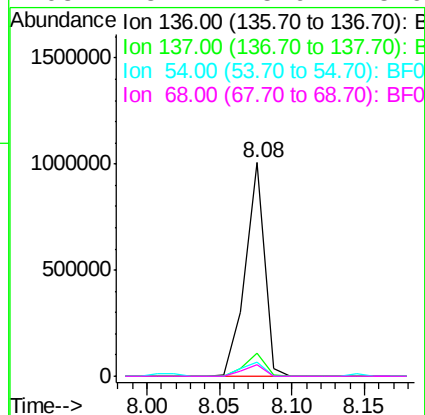
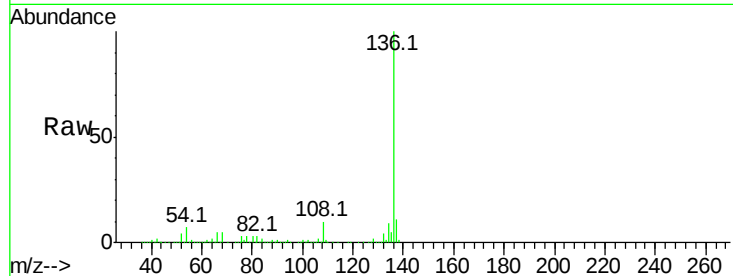
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.8	9.1	13.7#
68	5.4	5.9	8.9#

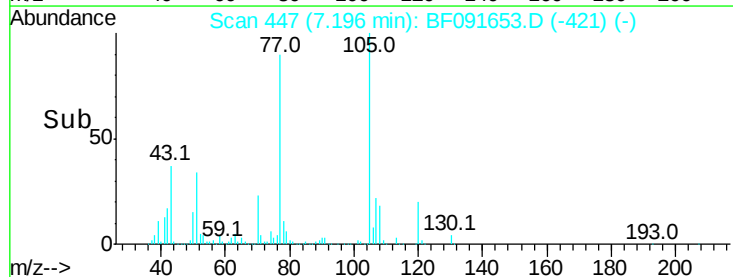
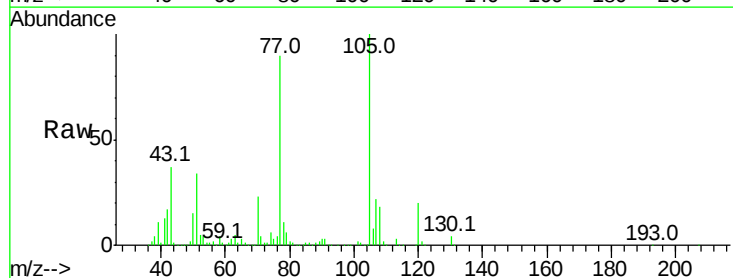
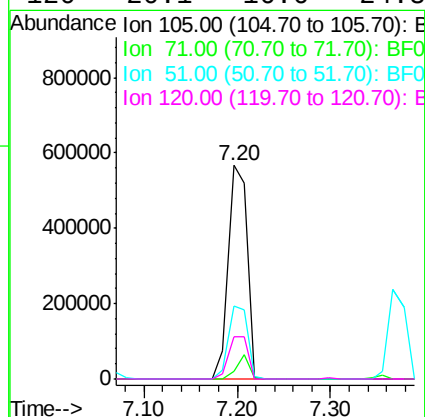
Manual Integrations
APPROVED

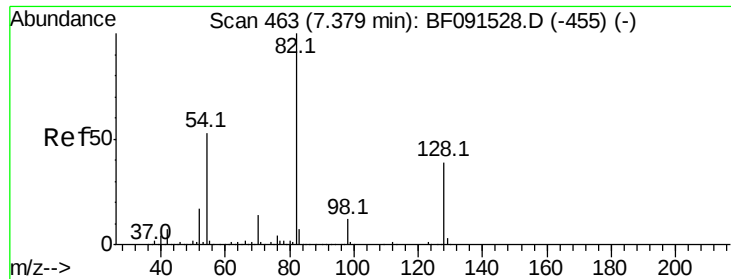
UMANGI
12/16/2016 6:22:36 PM



#22
Acetophenone
Concen: 36.12 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	3.7	7.9	11.9#
51	34.1	24.5	36.7
120	20.1	16.6	24.8





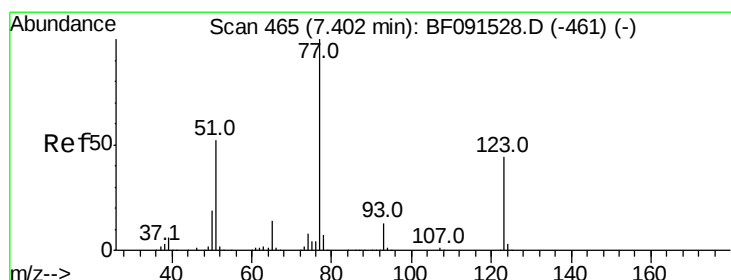
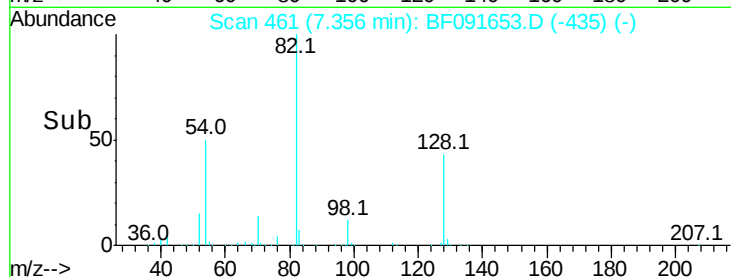
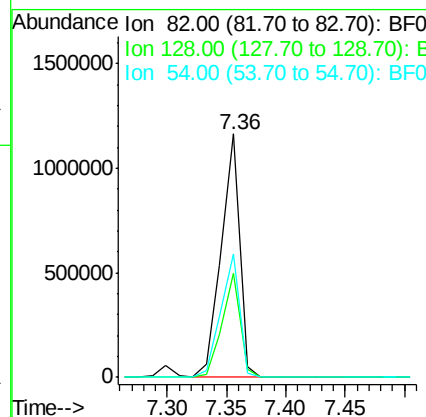
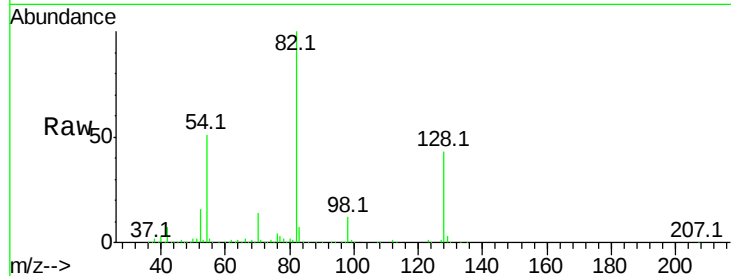
#23
Nitrobenzene-d5
Concen: 74.92 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.8	47.6
54	50.6	49.1	73.7

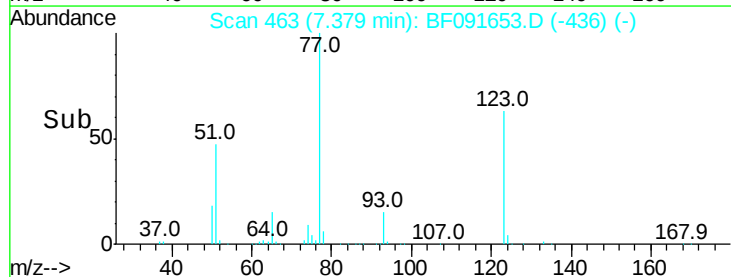
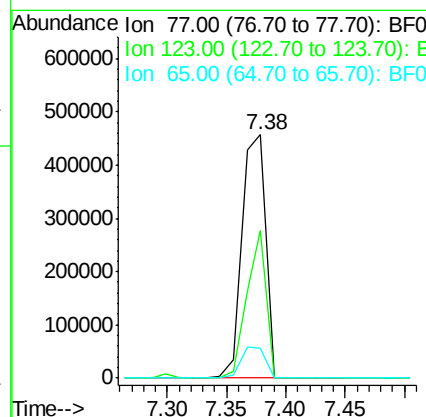
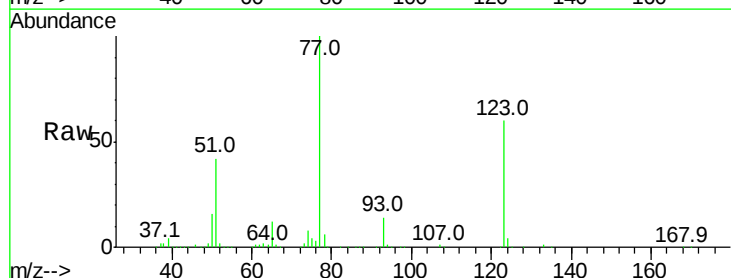
Manual Integrations
APPROVED

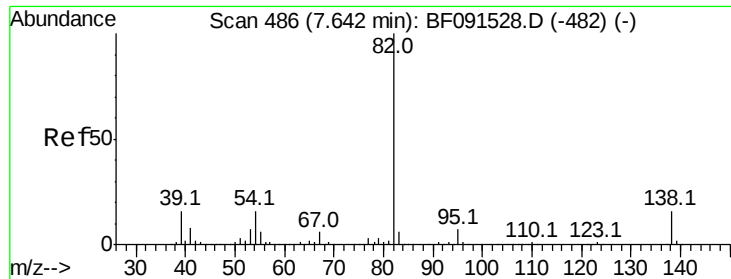
UMANGI
12/16/2016 6:22:36 PM



#24
Nitrobenzene
Concen: 36.19 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
77	100		
123	60.4	28.5	42.7#
65	12.4	12.5	18.7#





#25

Isophorone

Concen: 39.70 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion: 82 Resp: 1172203

Ion Ratio Lower Upper

82 100

95 7.1 5.7 8.5

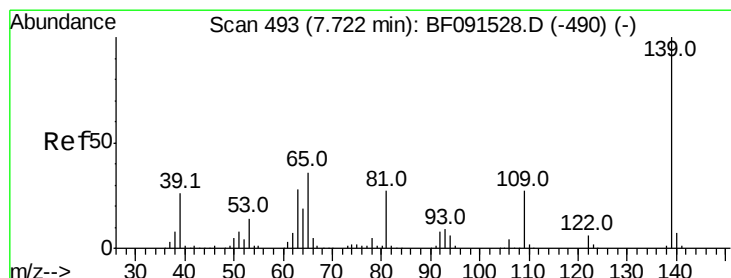
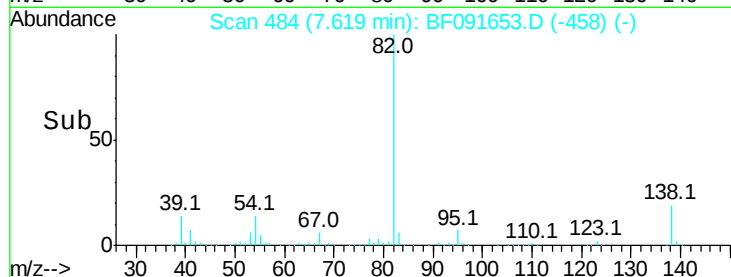
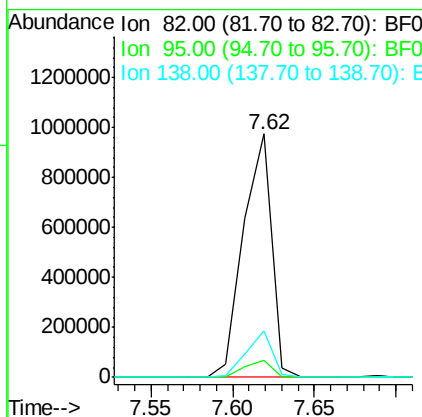
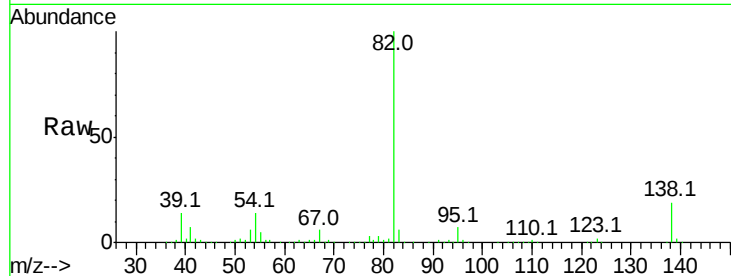
138 19.2 13.4 20.0

Manual Integrations

APPROVED

UMANGI

12/16/2016 6:22:36 PM



#26

2-Nitrophenol

Concen: 36.18 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

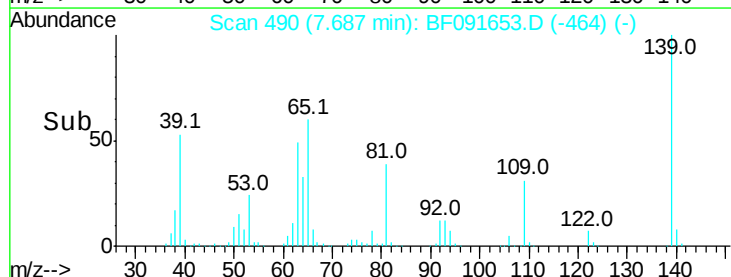
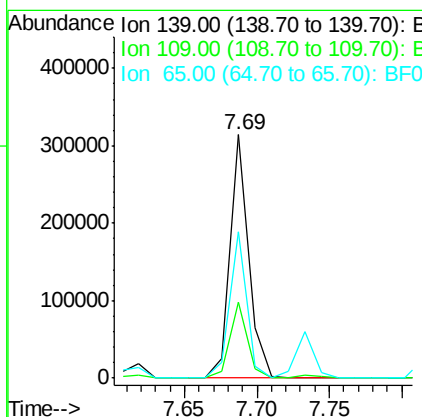
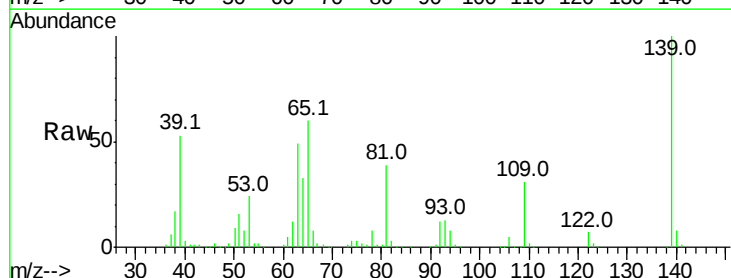
Tgt Ion: 139 Resp: 280284

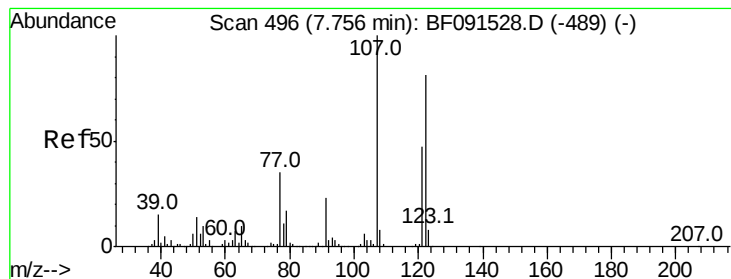
Ion Ratio Lower Upper

139 100

109 31.3 25.3 37.9

65 60.2 55.4 83.2





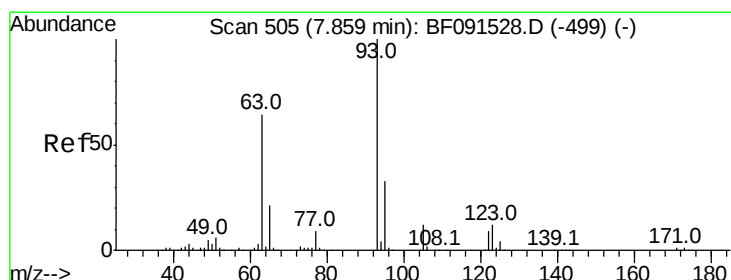
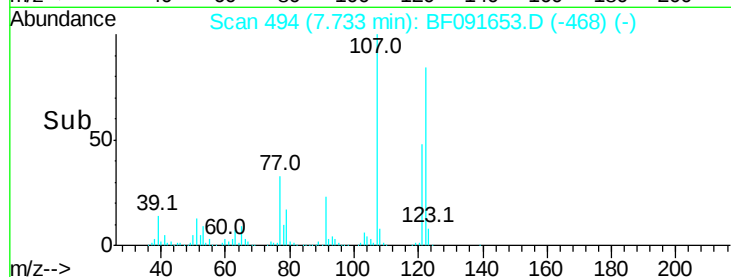
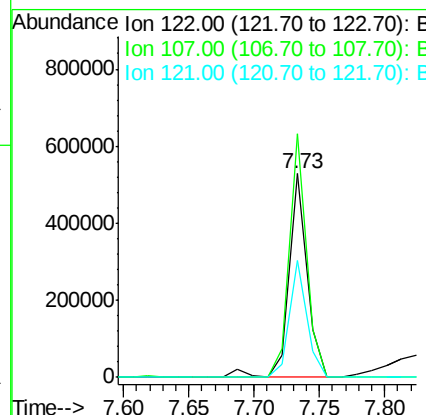
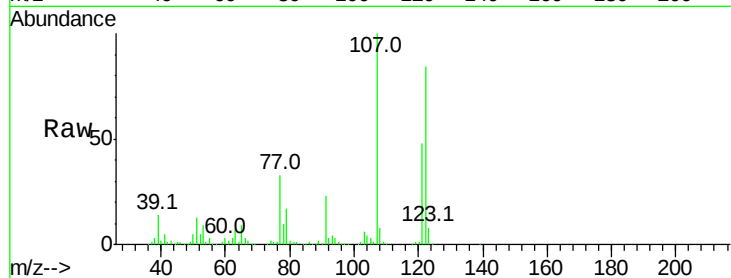
#27
 2,4-Dimethylphenol
 Concen: 37.45 ng
 RT: 7.73 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Resp	Lower	Upper
122	100	509554		
107	119.6	96.8	145.2	
121	57.1	47.7	71.5	

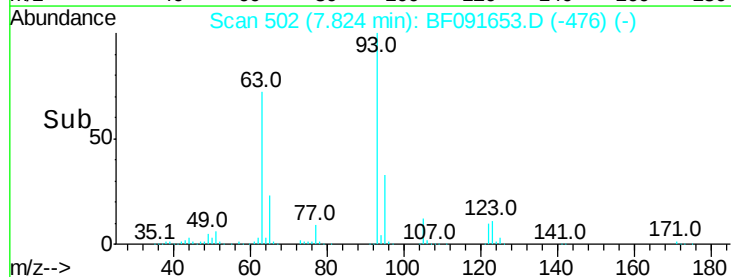
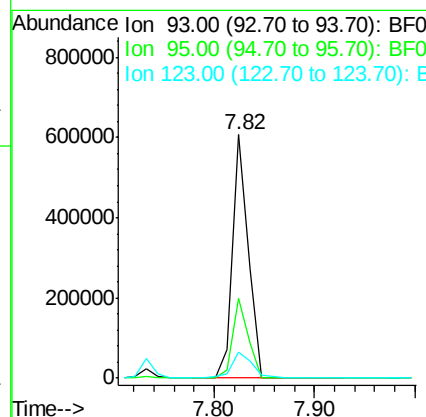
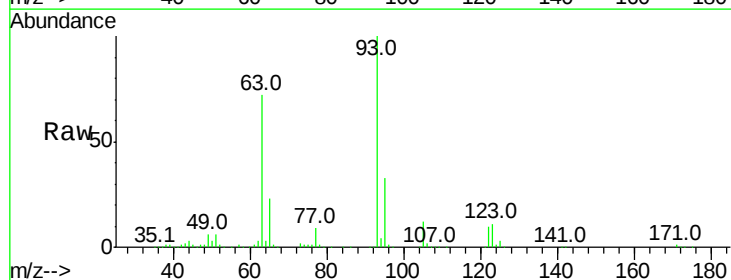
Manual Integrations
 APPROVED

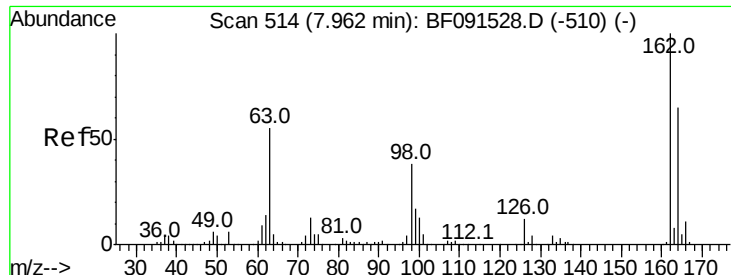
UMANGI
 12/16/2016 6:22:36 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 37.83 ng
 RT: 7.82 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	655305		
95	32.8	26.0	39.0	
123	10.9	8.6	12.8	





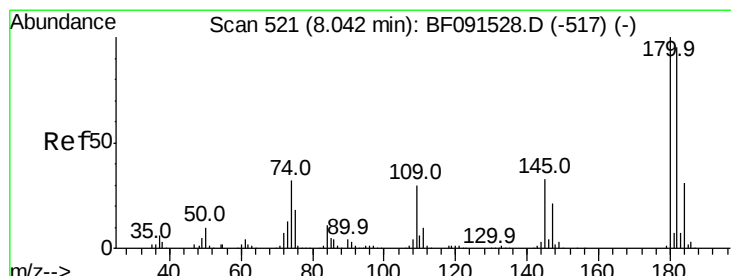
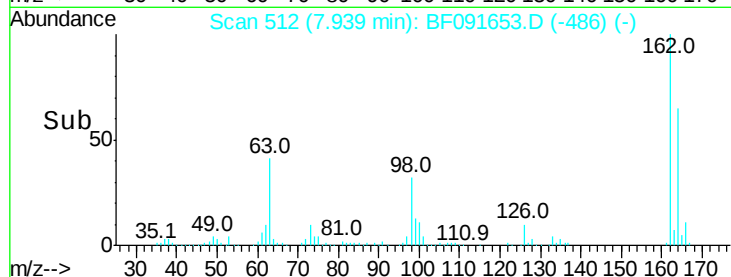
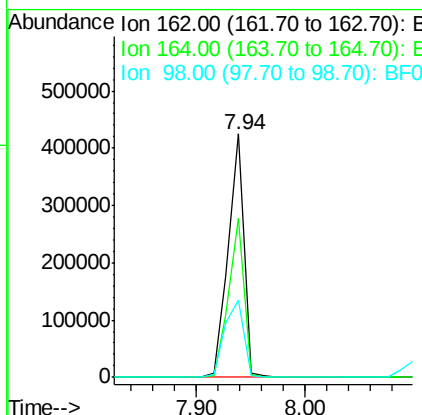
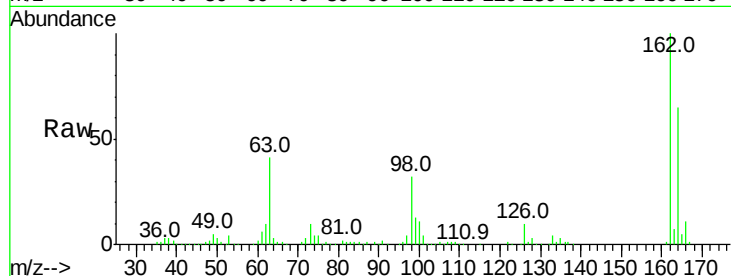
#29
 2,4-Dichlorophenol
 Concen: 35.91 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.3	45.0	85.0
98	31.5	21.3	61.3

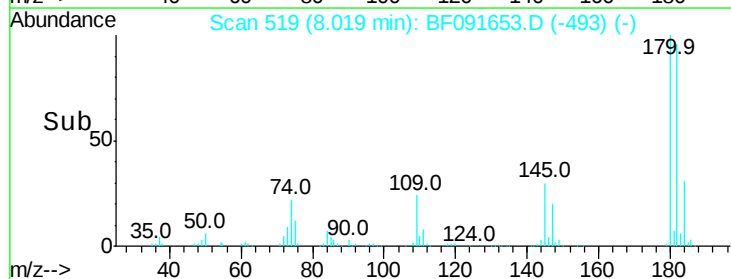
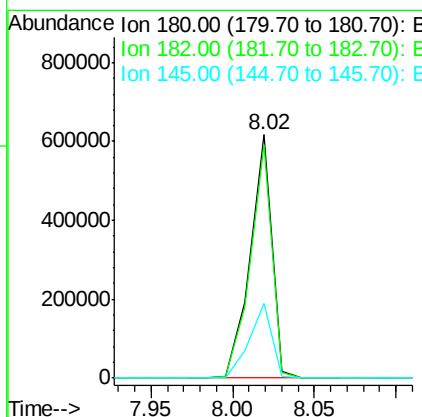
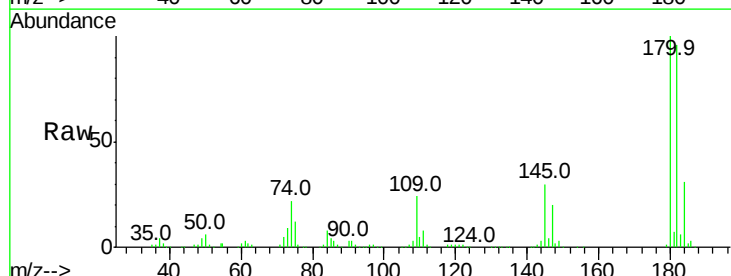
Manual Integrations
 APPROVED

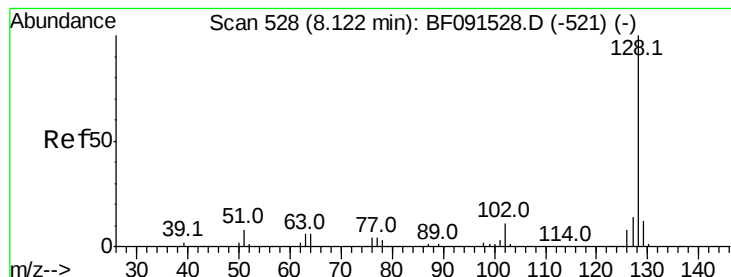
UMANGI
 12/16/2016 6:22:36 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 42.30 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	75.8	113.8
145	30.4	27.0	40.4





#31

Naphthalene

Concen: 44.20 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:128 Resp: 1906572

Ion Ratio Lower Upper

128 100

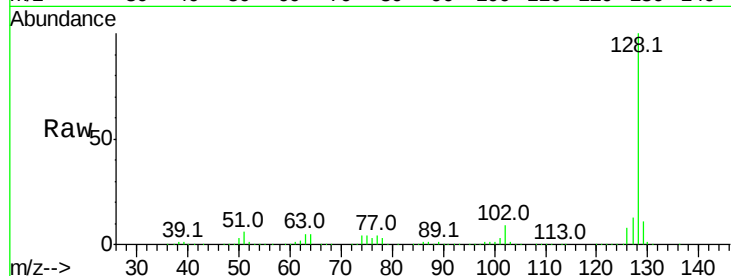
129 11.3 9.1 13.7

127 13.5 11.0 16.4

Manual Integrations
APPROVED

UMANGI

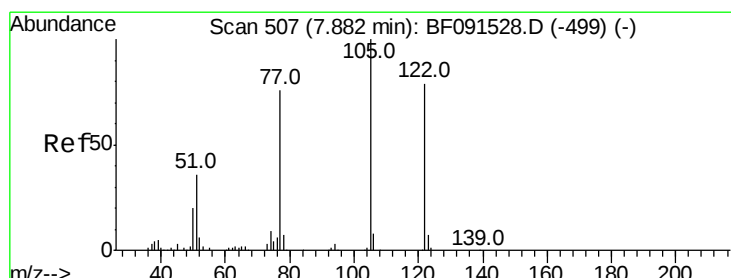
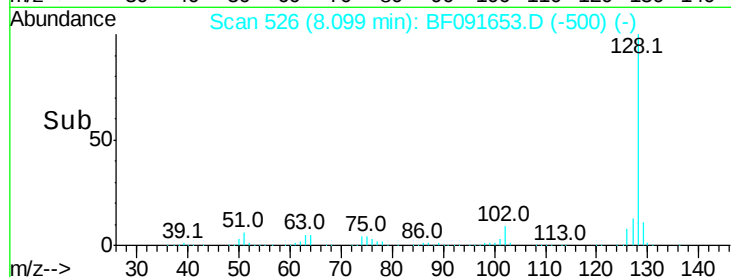
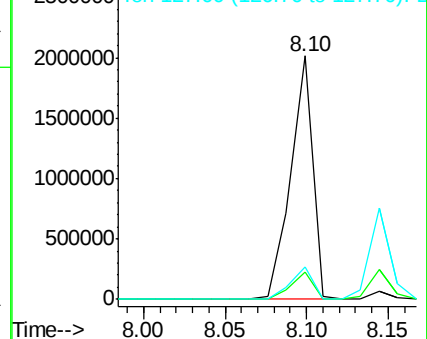
12/16/2016 6:22:36 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 33.92 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

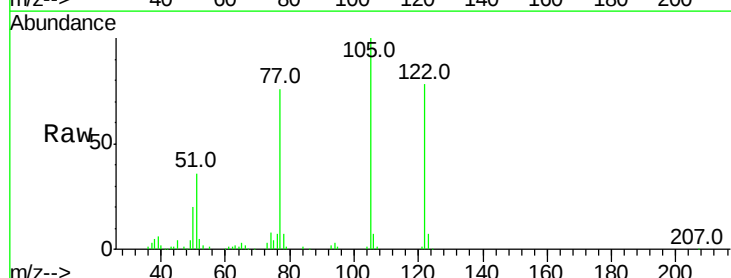
Tgt Ion:122 Resp: 315511

Ion Ratio Lower Upper

122 100

105 128.3 113.0 153.0

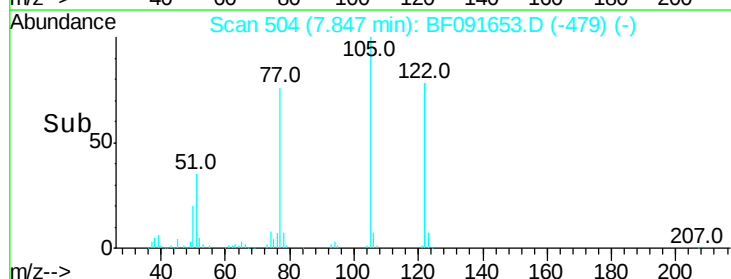
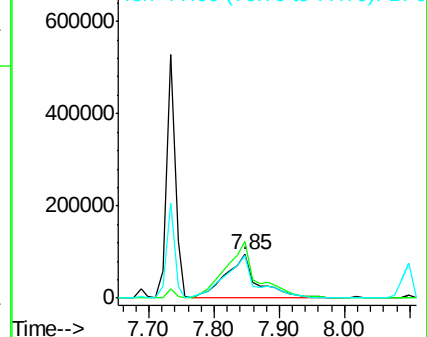
77 97.7 82.0 122.0

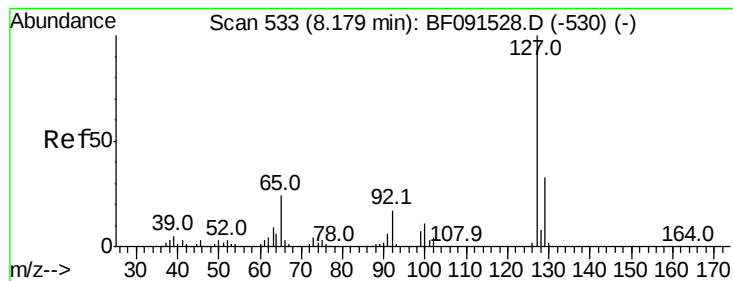


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 36.32 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:127 Resp: 675063

Ion Ratio Lower Upper

127 100

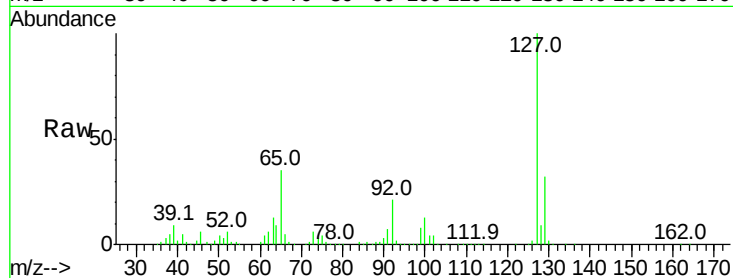
129 32.3 26.2 39.4

65 34.9 26.6 39.8

92 20.6 15.4 23.0

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:22:36 PM

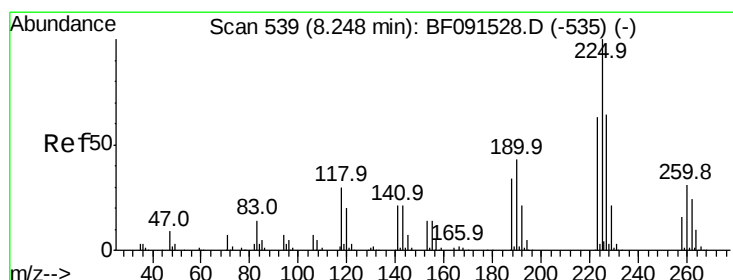
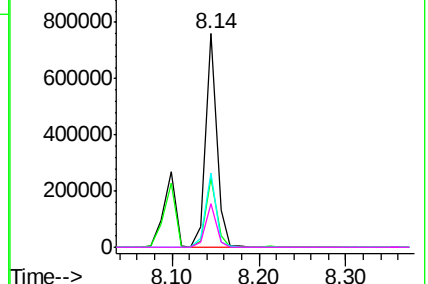
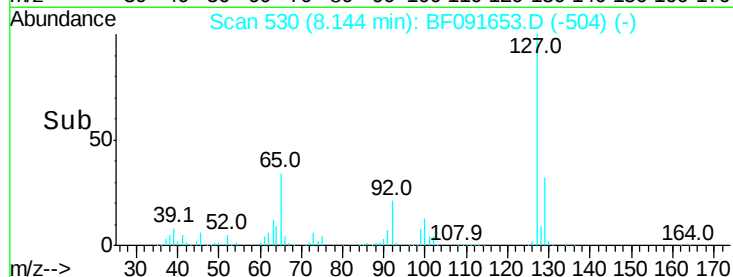


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 33.89 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

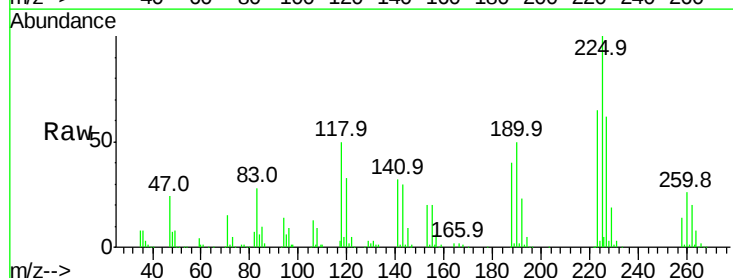
Tgt Ion:225 Resp: 261335

Ion Ratio Lower Upper

225 100

223 64.7 49.8 74.6

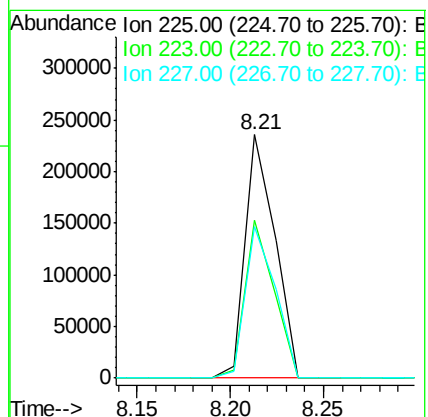
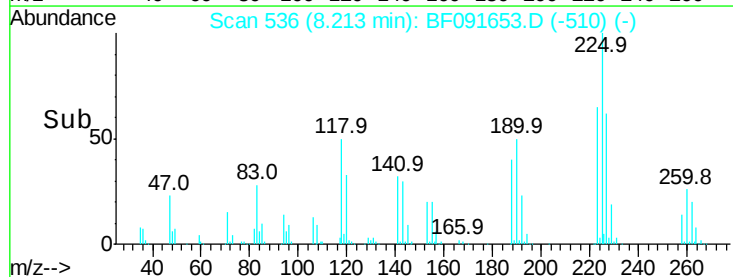
227 62.1 52.6 79.0

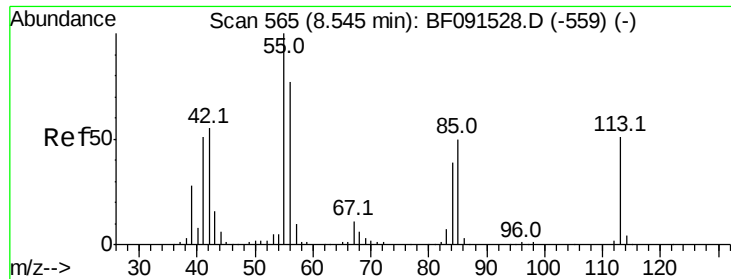


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





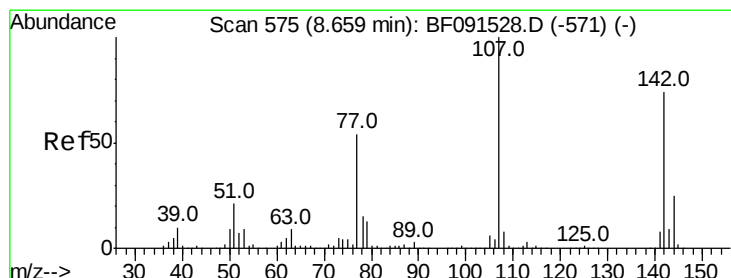
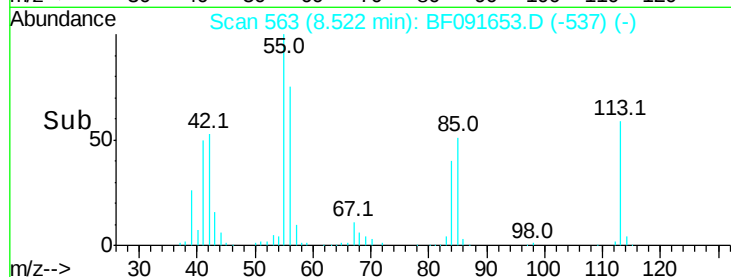
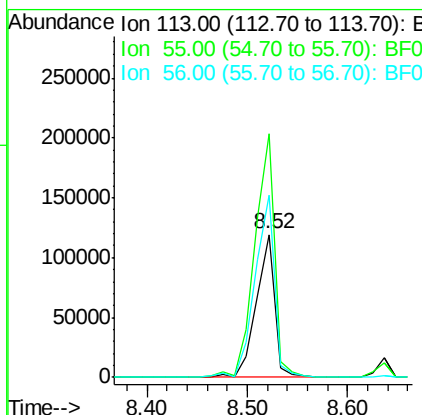
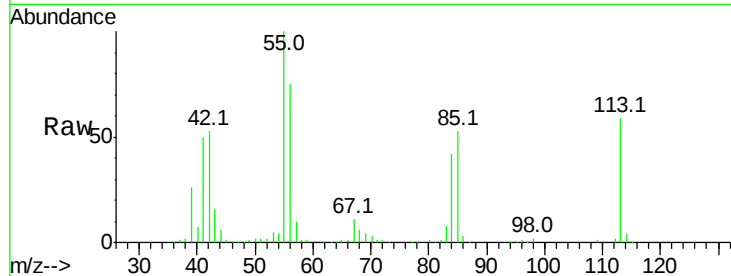
#35
 Caprolactam
 Concen: 43.97 ng
 RT: 8.52 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion:113 Resp: 152003
 Ion Ratio Lower Upper
 113 100
 55 170.7 239.8 279.8#
 56 127.4 165.6 205.6#

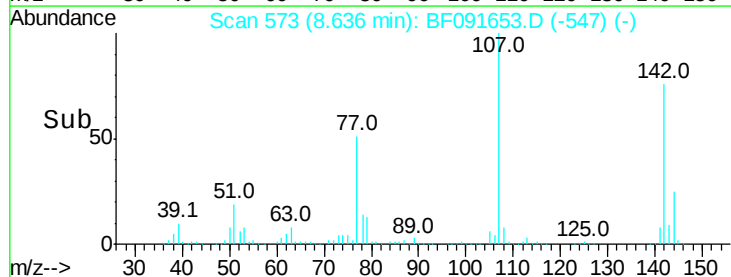
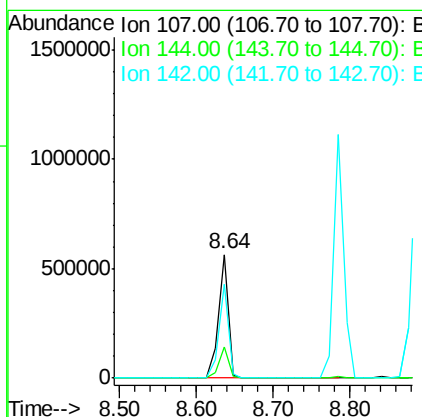
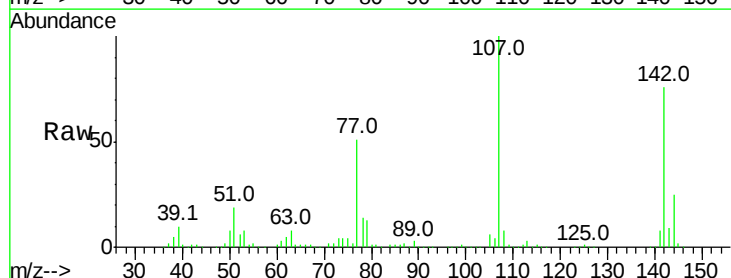
Manual Integrations
 APPROVED

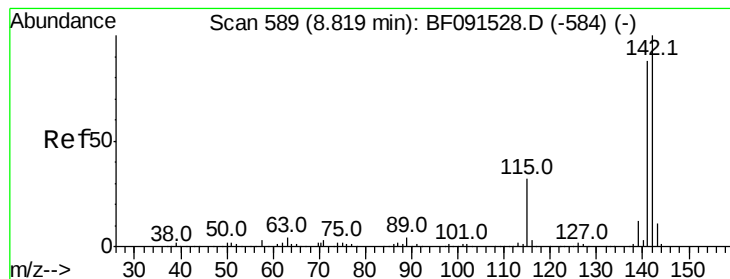
UMANGI
 12/16/2016 6:22:36 PM



#36
 4-Chloro-3-methylphenol
 Concen: 37.46 ng
 RT: 8.64 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion:107 Resp: 497359
 Ion Ratio Lower Upper
 107 100
 144 25.1 18.9 28.3
 142 76.4 58.5 87.7





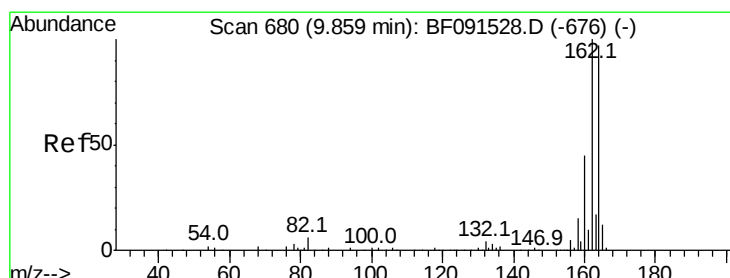
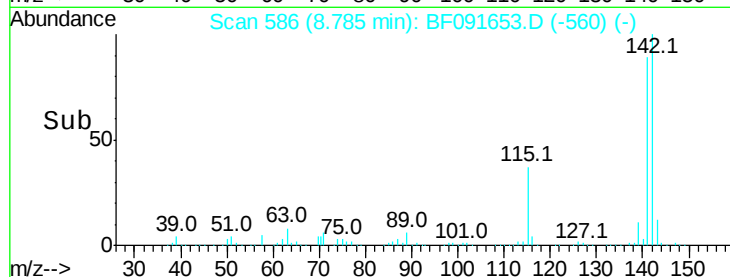
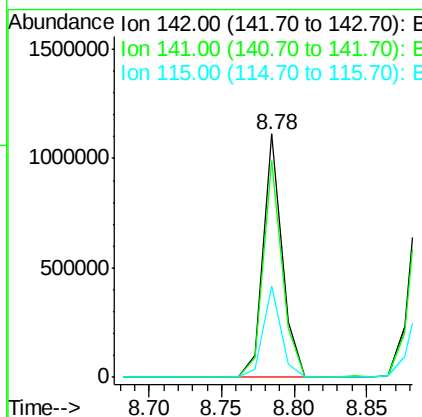
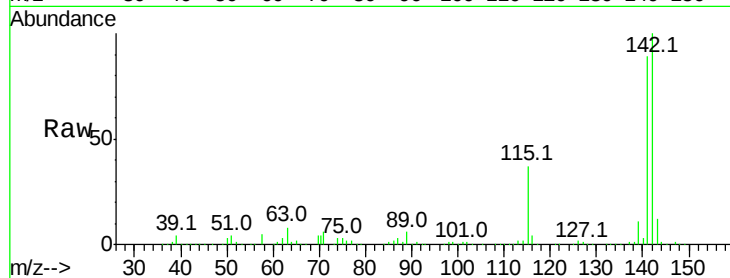
#37
2-Methylnaphthalene
Concen: 36.26 ng
RT: 8.78 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.7	107.5
115	37.3	25.0	37.6

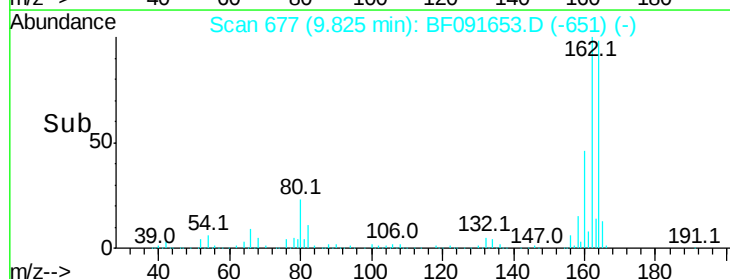
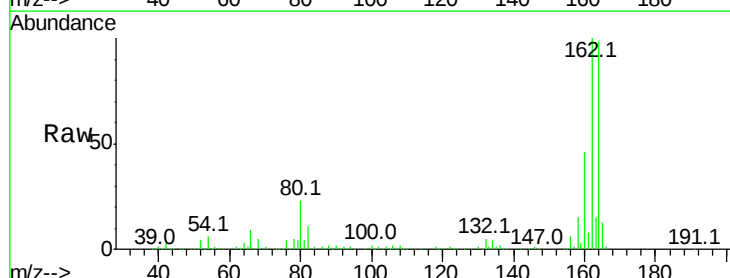
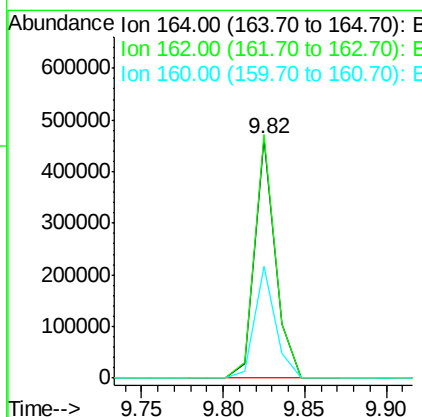
Manual Integrations
APPROVED

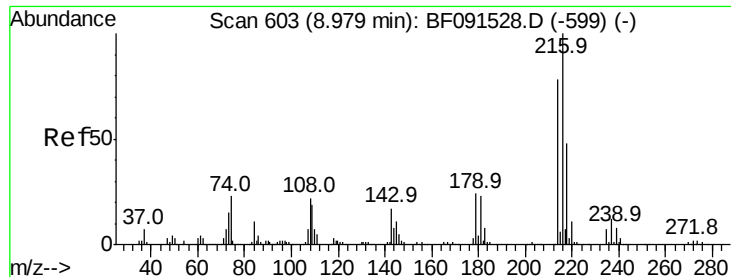
UMANGI
12/16/2016 6:22:36 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	124.0
160	46.8	36.7	55.1





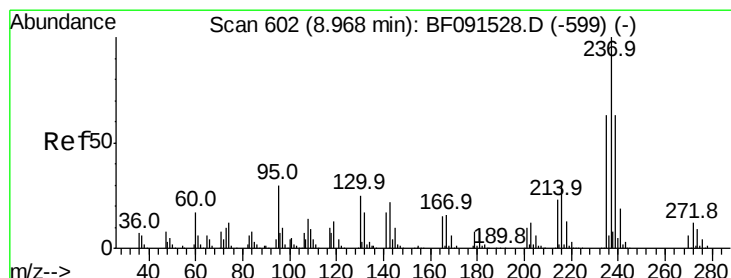
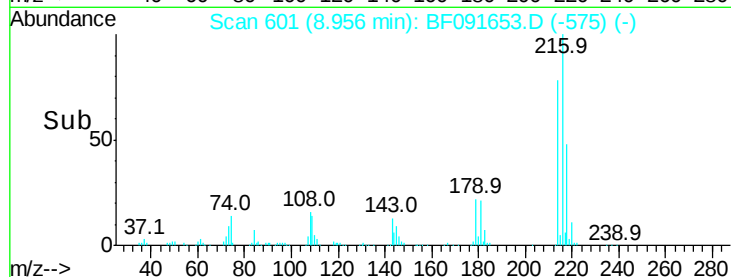
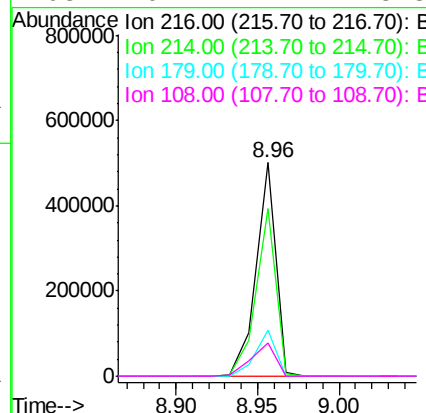
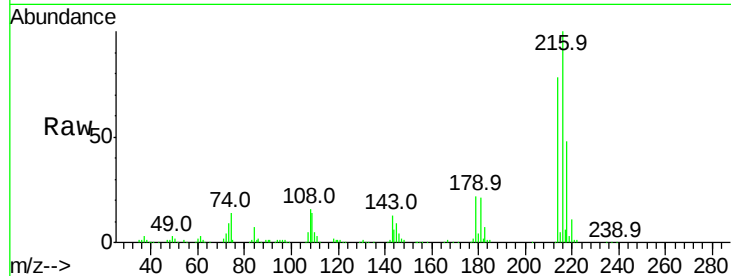
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.59 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion:	216	Resp:	422479
Ion Ratio	Lower	Upper	
216	100		
214	78.9	63.8	95.8
179	22.6	18.2	27.2
108	19.1	17.2	25.8

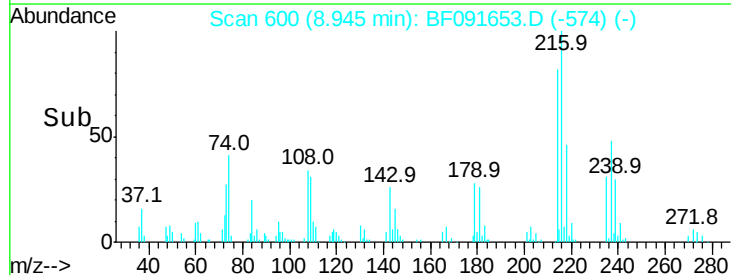
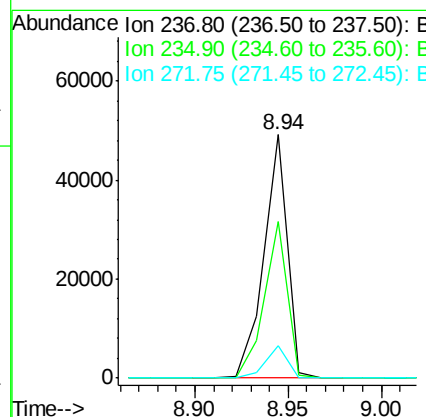
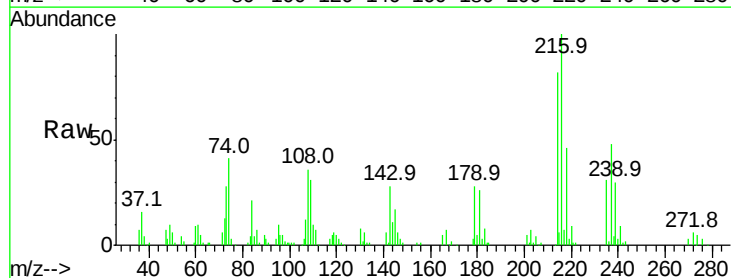
Manual Integrations
 APPROVED

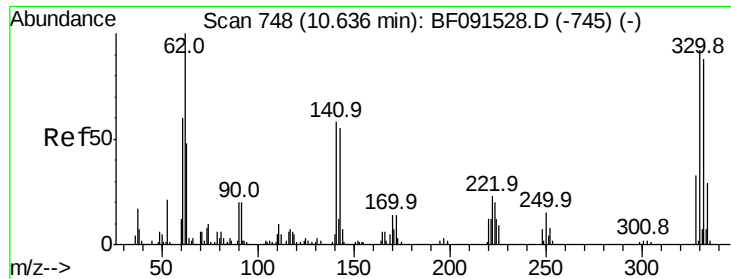
UMANGI
 12/16/2016 6:22:36 PM



#40
 Hexachlorocyclopentadiene
 Concen: 8.62 ng
 RT: 8.94 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion:	237	Resp:	43168
Ion Ratio	Lower	Upper	
237	100		
235	64.5	43.9	83.9
272	13.3	0.0	33.1





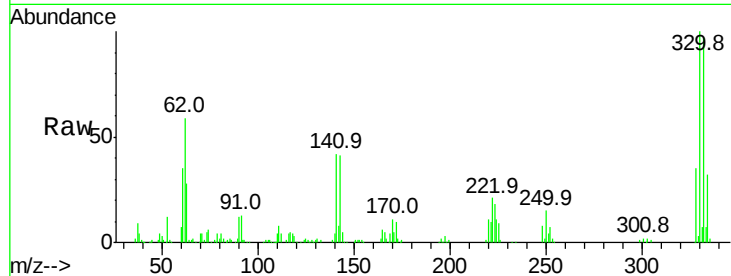
#41
 2,4,6-Tribromophenol
 Concen: 70.00 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

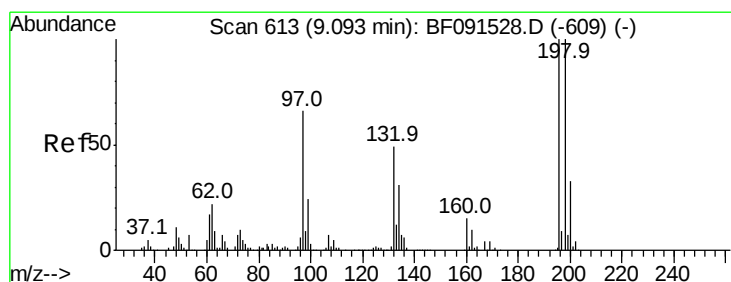
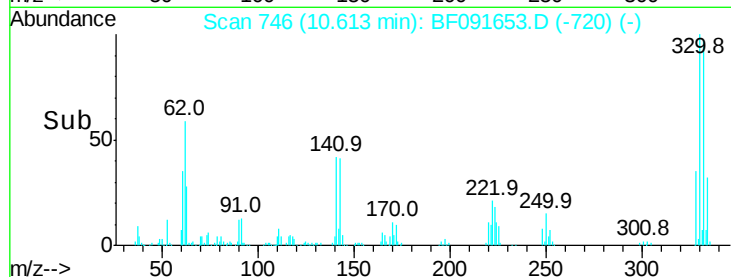
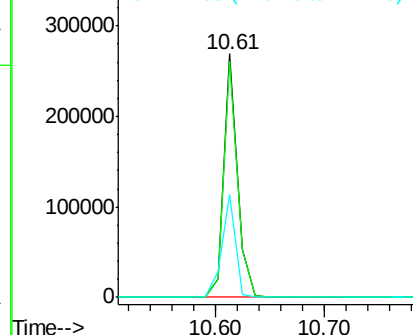
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.2	114.4	
141	42.6	33.6	50.4	

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM

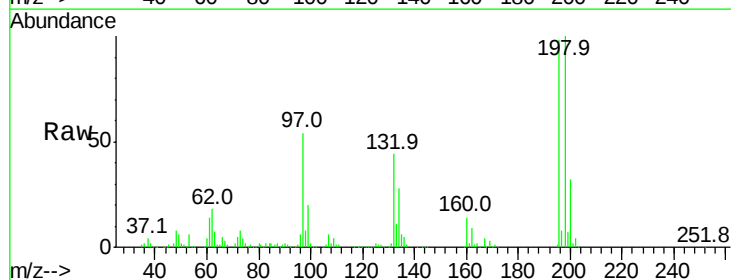


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

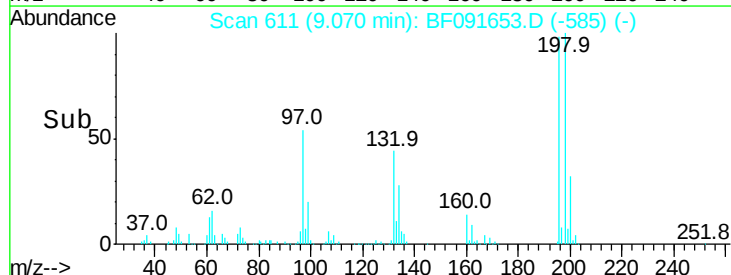
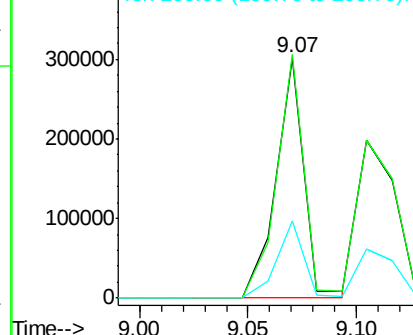


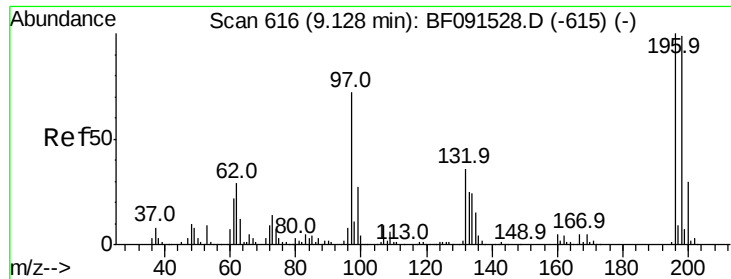
#42
 2,4,6-Trichlorophenol
 Concen: 37.59 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	101.5	77.4	116.0	
200	32.0	25.2	37.8	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





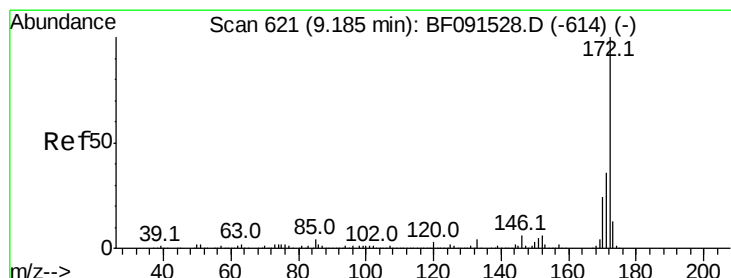
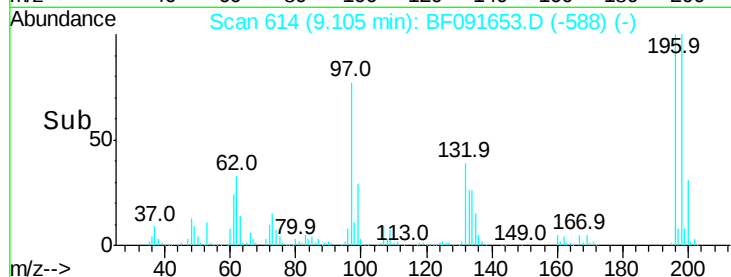
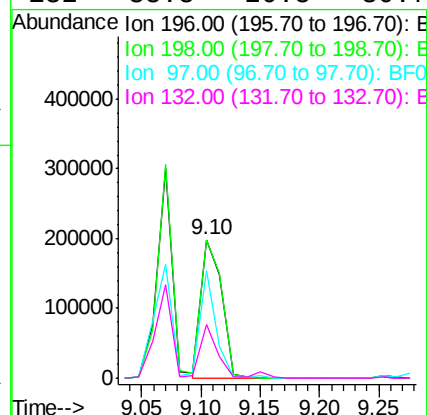
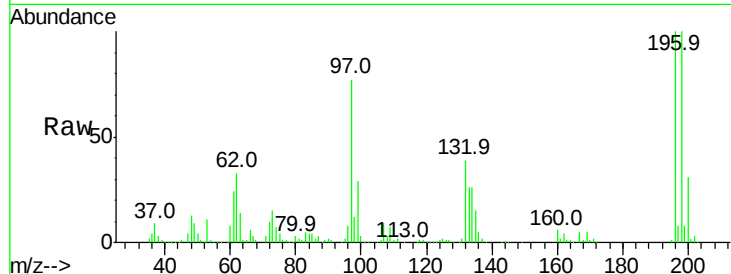
#43
 2,4,5-Trichlorophenol
 Concen: 32.82 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Resp	Lower	Upper
196	100	243502		
198	99.9	77.0	115.6	
97	77.4	33.5	50.3#	
132	38.8	20.5	30.7#	

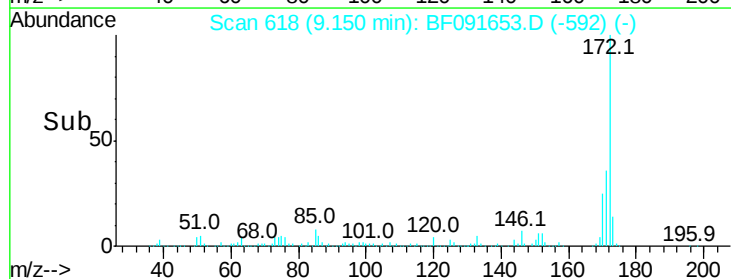
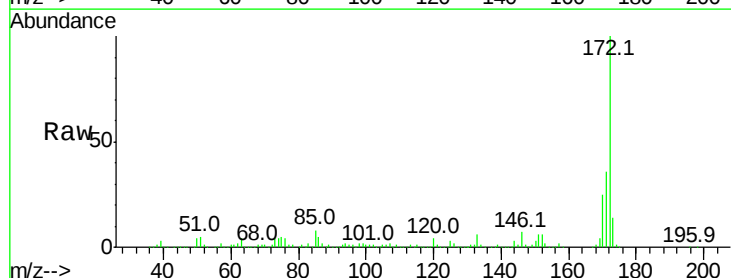
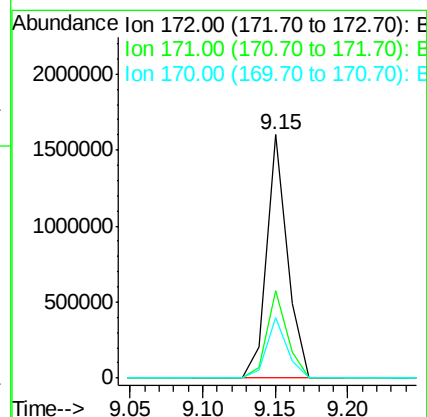
Manual Integrations
 APPROVED

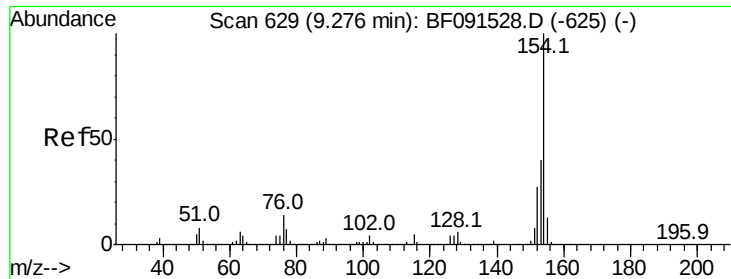
UMANGI
 12/16/2016 6:22:36 PM



#44
 2-Fluorobiphenyl
 Concen: 66.63 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1580070		
171	36.1	29.4	44.0	
170	24.7	19.7	29.5	





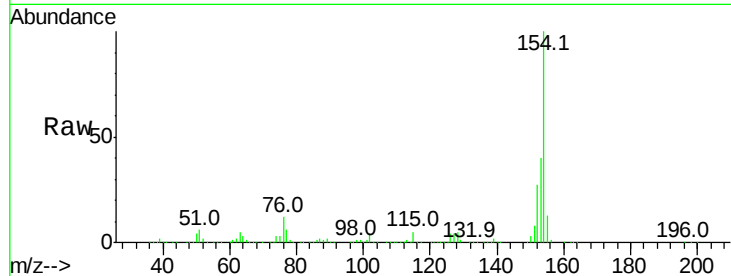
#45
 1,1'-Biphenyl
 Concen: 39.37 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.6	60.6
76	12.0	0.0	36.6

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM

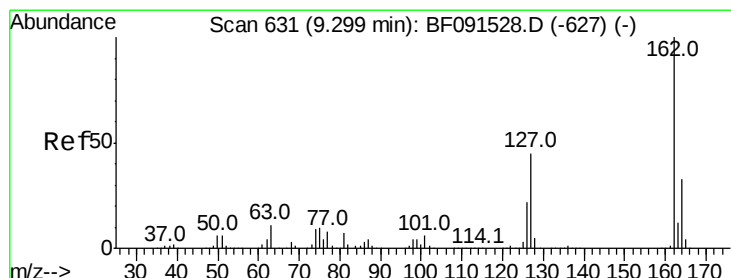
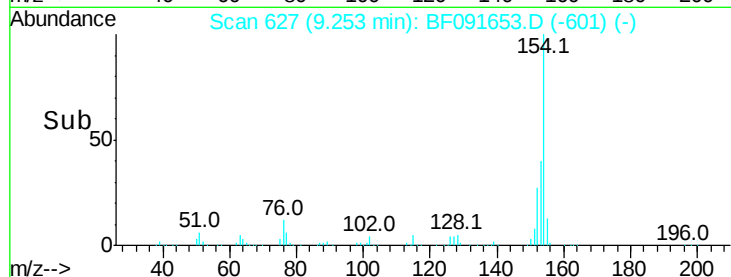
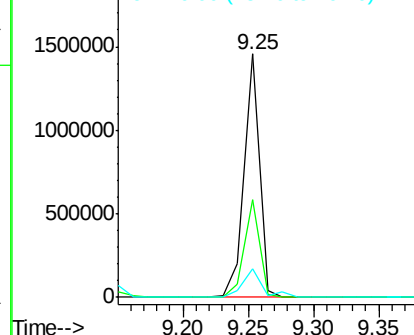


Abundance

Ion 154.00 (153.70 to 154.70): E

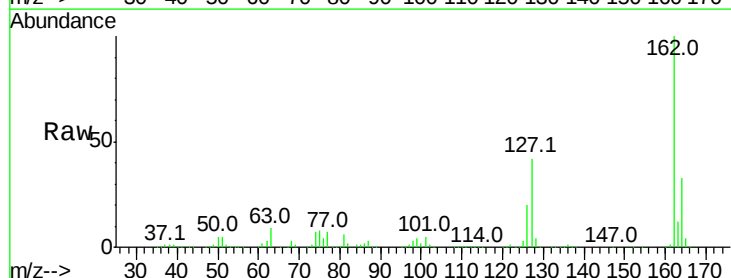
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46
 2-Chloronaphthalene
 Concen: 36.76 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.0	34.3	51.5
164	33.0	26.6	40.0

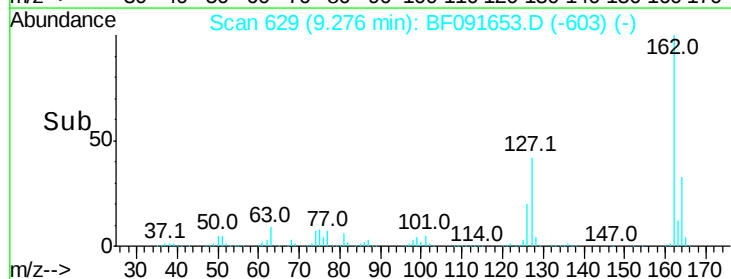
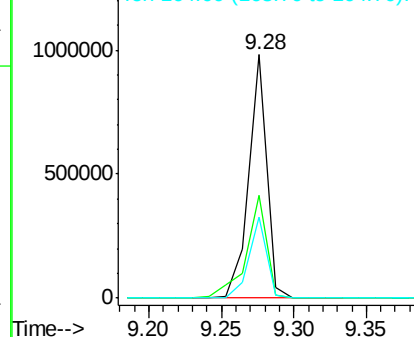


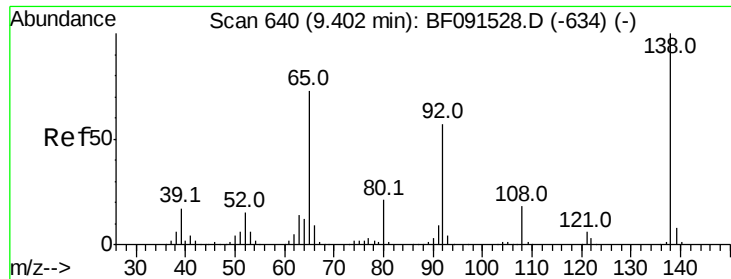
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





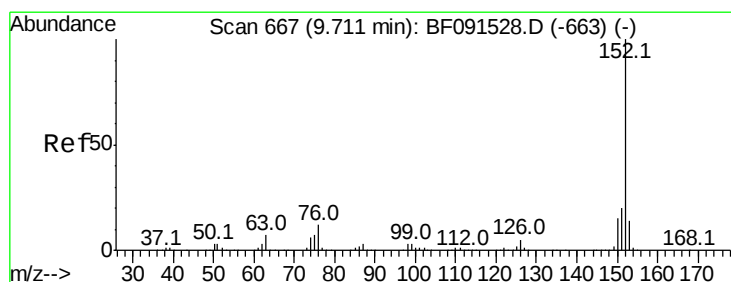
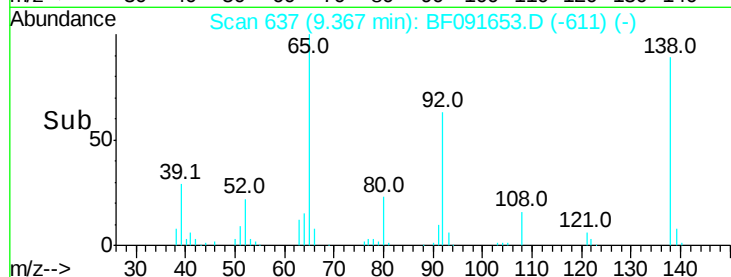
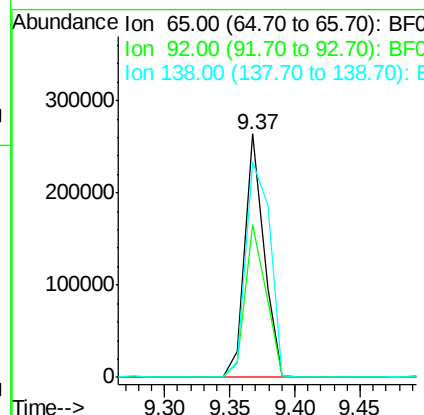
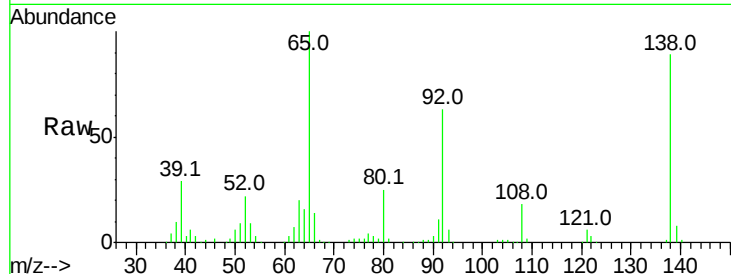
#47
 2-Nitroaniline
 Concen: 34.81 ng
 RT: 9.37 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
65	100		
92	62.9	53.6	80.4
138	88.6	91.0	136.6

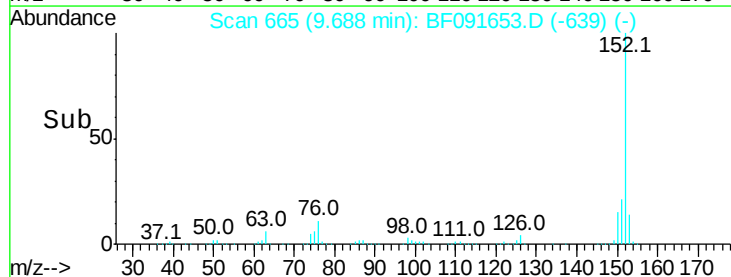
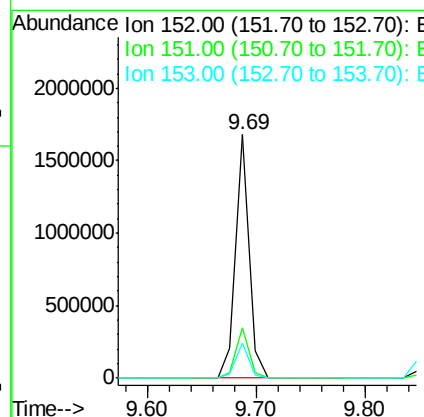
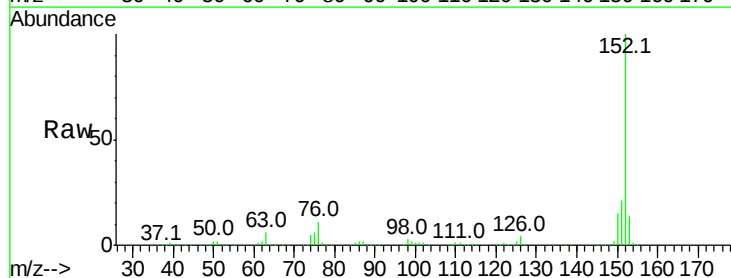
Manual Integrations
 APPROVED

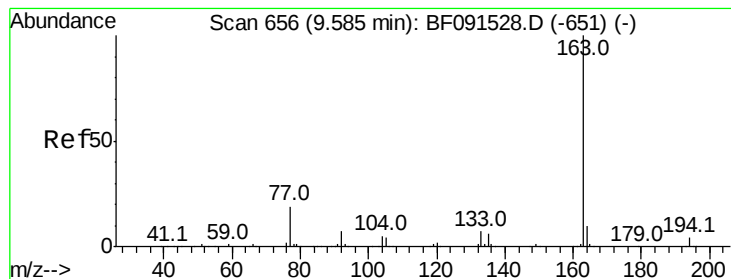
UMANGI
 12/16/2016 6:22:36 PM



#48
 Acenaphthylene
 Concen: 40.84 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8
153	14.4	10.7	16.1





#49

Dimethylphthalate

Concen: 40.12 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:163 Resp: 1040816

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

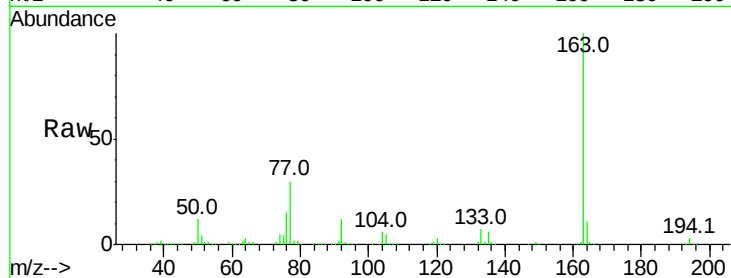
164 11.1 7.8 11.8

Manual Integrations

APPROVED

UMANGI

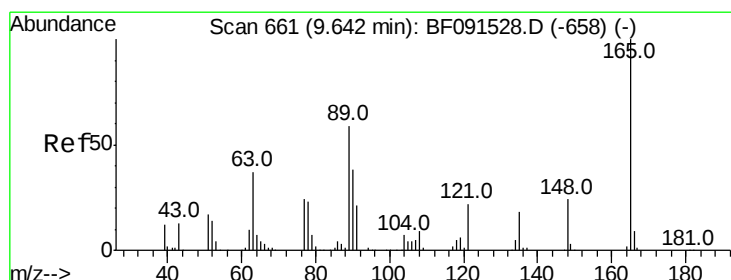
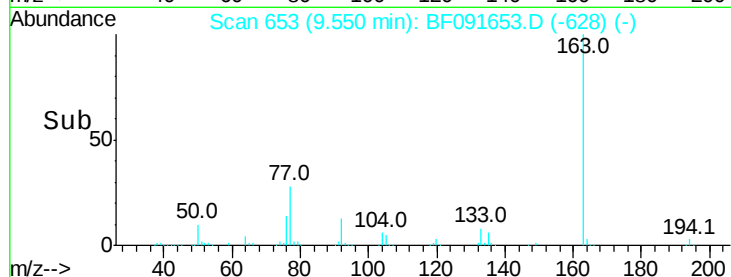
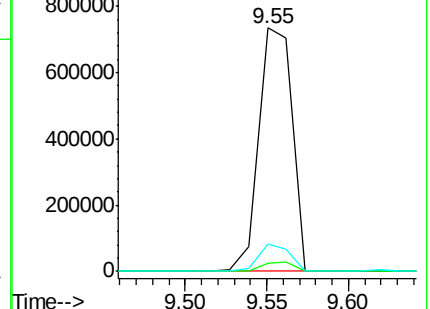
12/16/2016 6:22:36 PM



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: 45.42 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

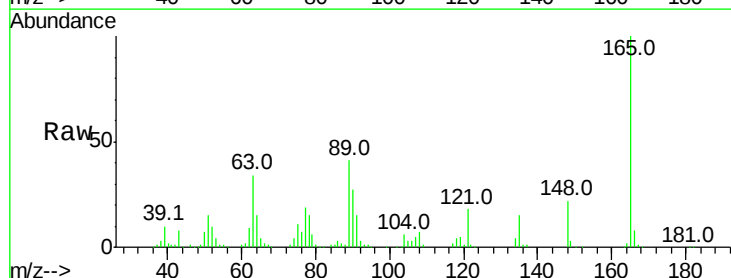
Tgt Ion:165 Resp: 258658

Ion Ratio Lower Upper

165 100

63 33.7 59.4 89.0#

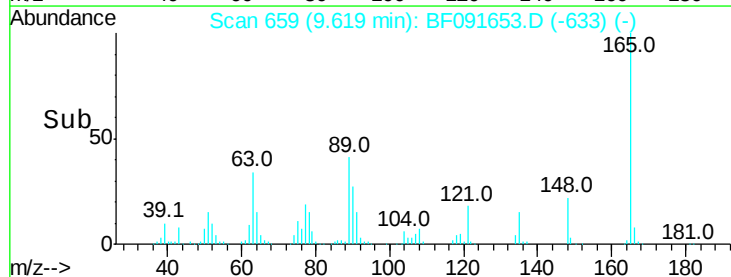
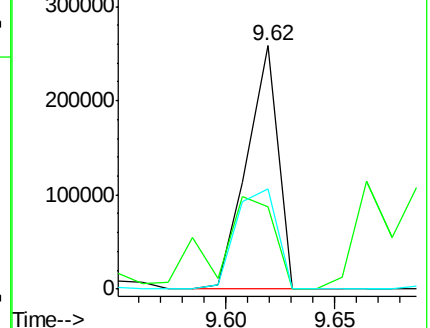
89 41.4 50.8 76.2#

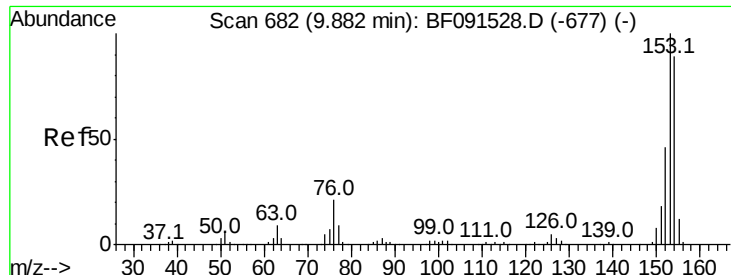


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 36.53 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

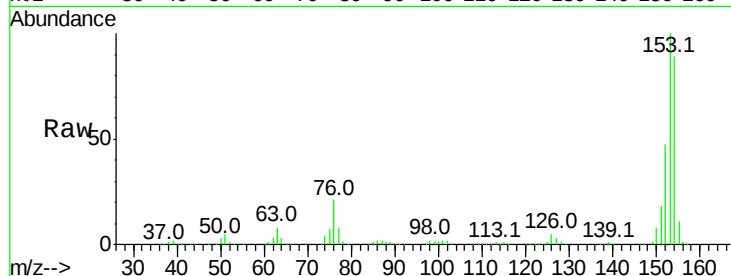
ClientSampleId :

SSTDCCC040

Tot Ion:	154	Resp:	888721
Ion Ratio	Lower	Upper	
154	100		
153	111.7	91.0	136.6
152	52.3	44.2	66.2

Manual Integrations
APPROVED

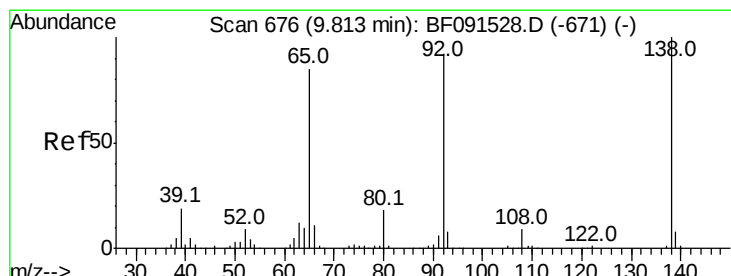
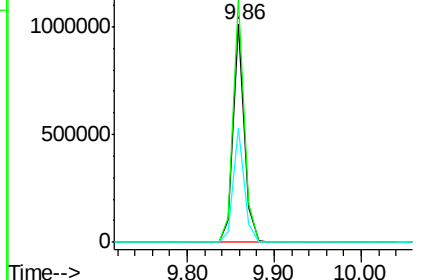
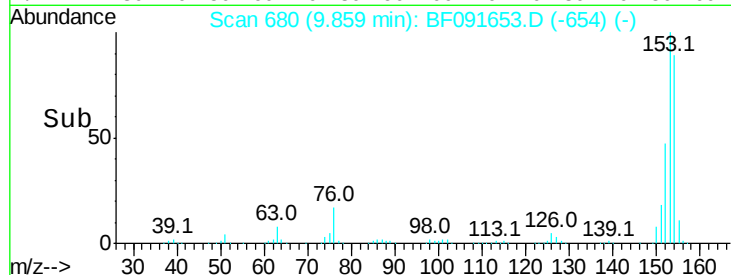
UMANGI
12/16/2016 6:22:36 PM



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: 40.18 ng

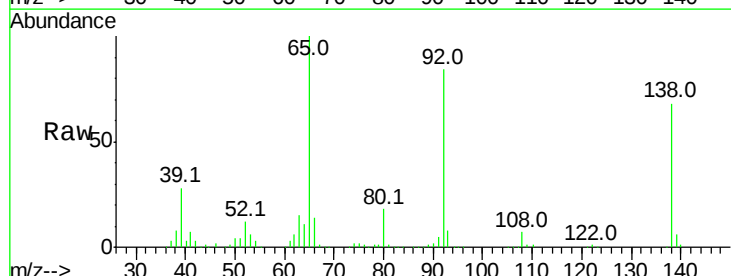
RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

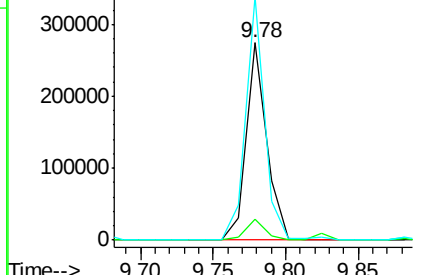
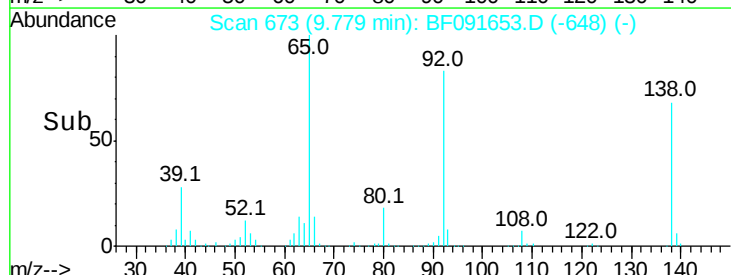
Tgt Ion:	138	Resp:	268771
Ion Ratio	Lower	Upper	
138	100		
108	10.8	8.1	12.1
92	123.4	92.5	138.7

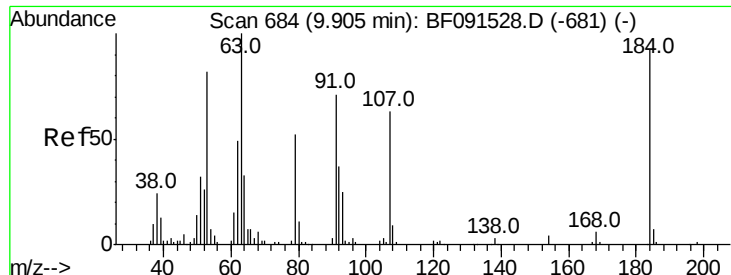


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





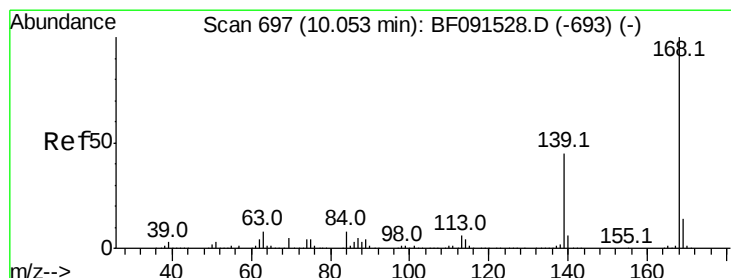
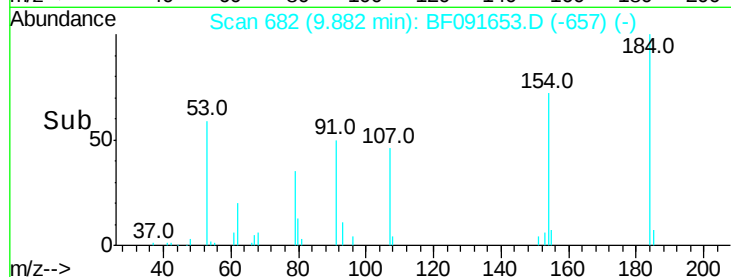
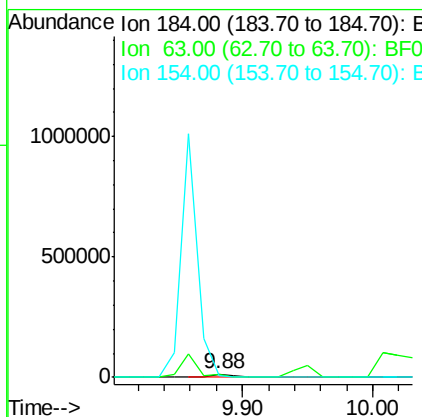
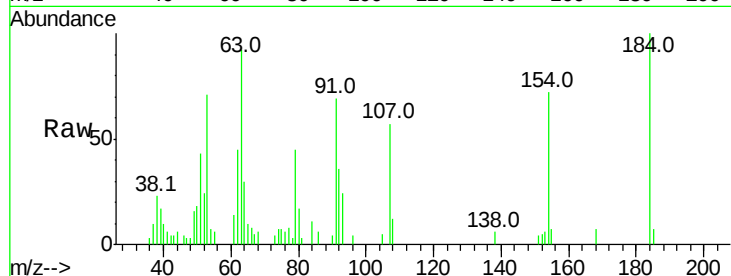
#53
2,4-Dinitrophenol
Concen: 9.04 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	92.1	58.3	87.5#	
154	72.4	48.6	73.0	

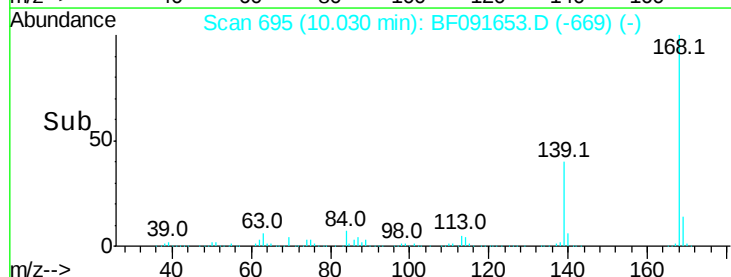
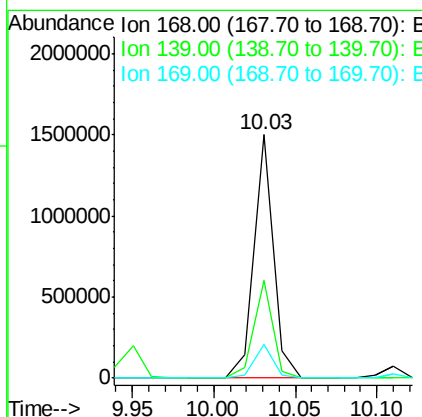
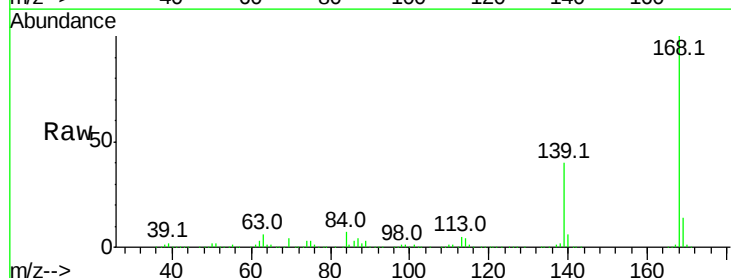
Manual Integrations
APPROVED

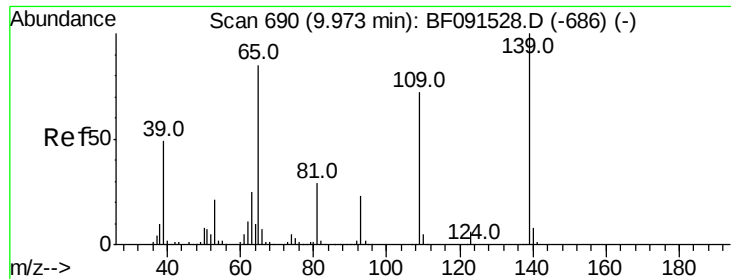
UMANGI
12/16/2016 6:22:36 PM



#54
Dibenzofuran
Concen: 41.49 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	40.3	33.4	50.2	
169	13.9	11.1	16.7	





#55

4-Nitrophenol

Concen: 39.23 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:139 Resp: 195248

Ion Ratio Lower Upper

139 100

109 65.1 54.9 94.9

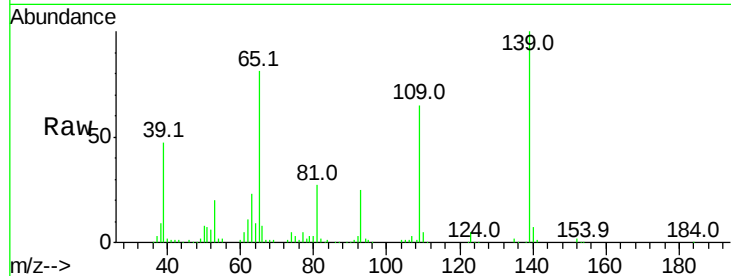
65 80.6 102.2 142.2#

Manual Integrations

APPROVED

UMANGI

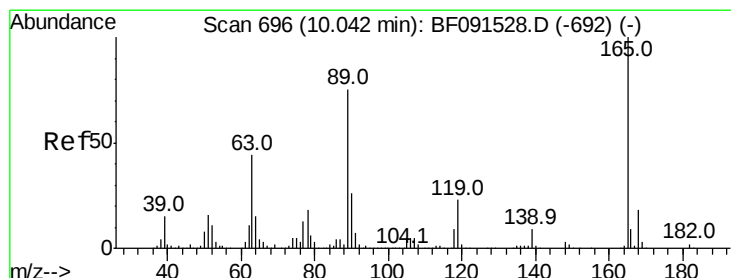
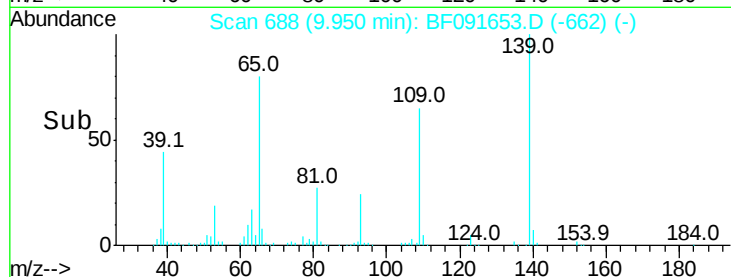
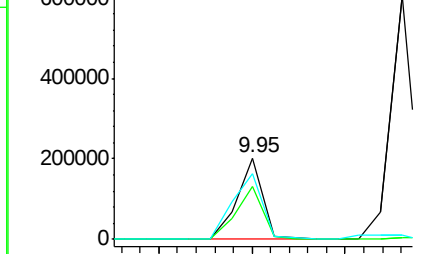
12/16/2016 6:22:36 PM



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 43.78 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Tgt Ion:165 Resp: 312467

Ion Ratio Lower Upper

165 100

63 30.5 29.0 43.4

89 52.9 43.1 64.7

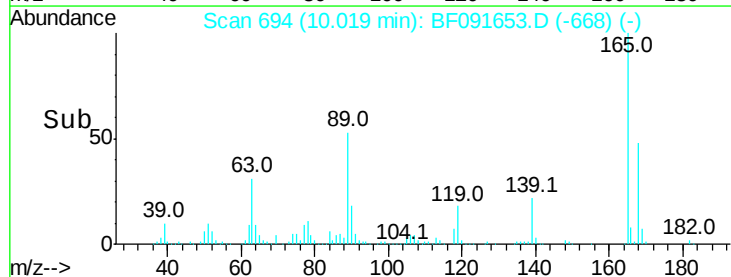
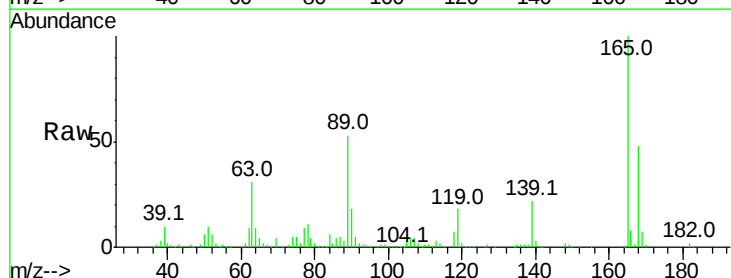
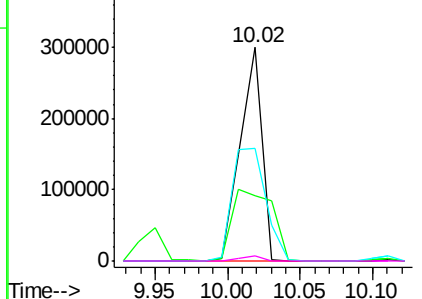
182 2.5 1.9 2.9

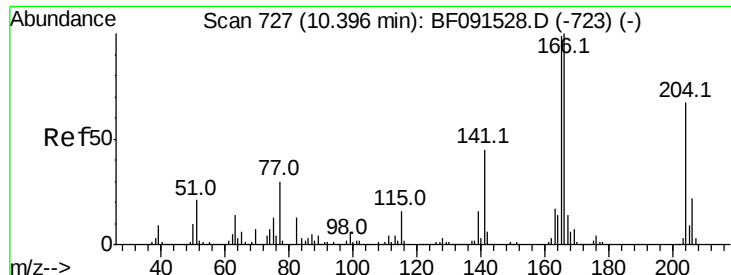
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





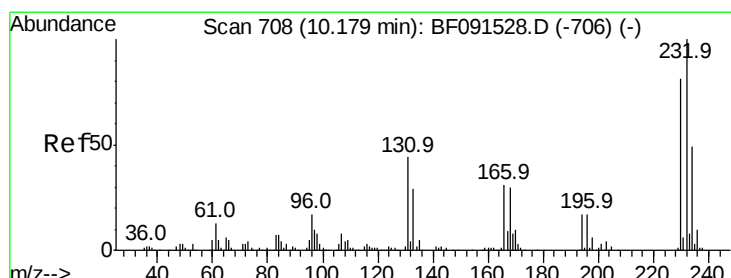
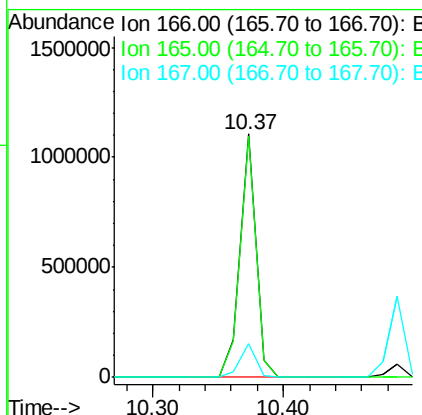
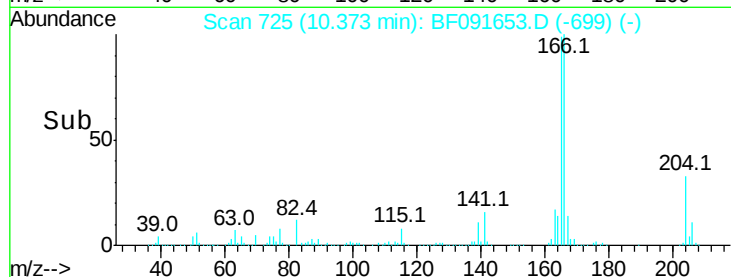
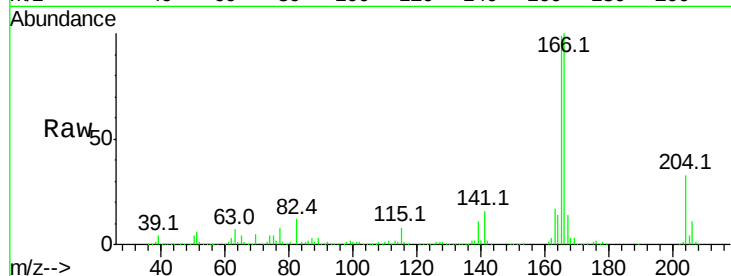
#57
Fluorene
 Concen: 43.24 ng
 RT: 10.37 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTCCCC040

Tot Ion:	166	Resp:	934391
Ion Ratio	Lower	Upper	
166	100		
165	99.1	80.0	120.0
167	13.7	10.8	16.2

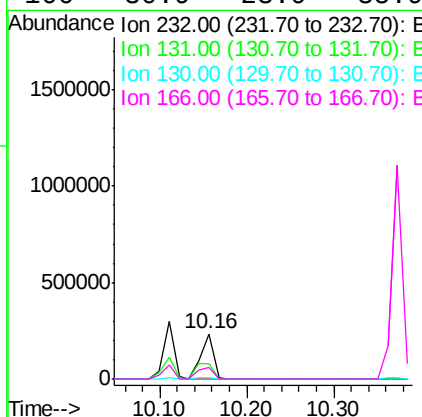
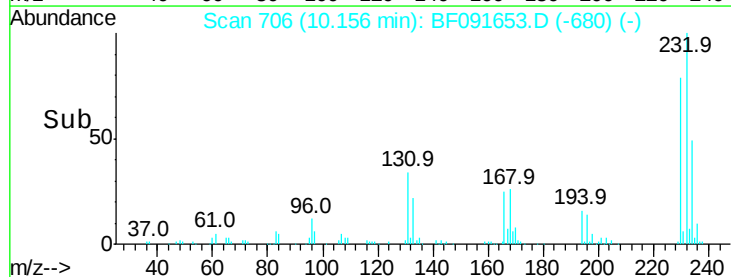
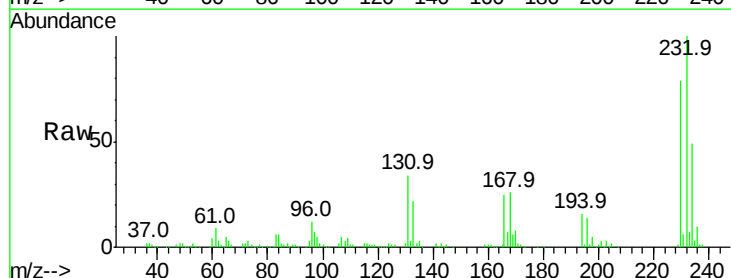
Manual Integrations
 APPROVED

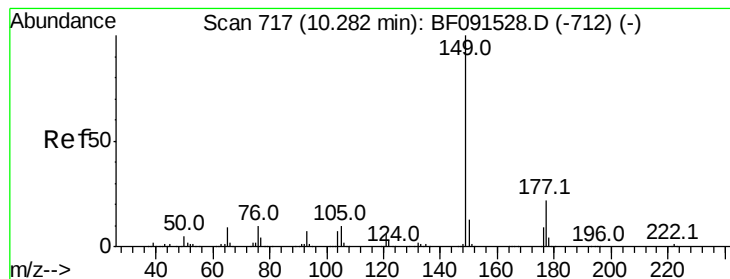
UMANGI
 12/16/2016 6:22:36 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 40.49 ng
 RT: 10.16 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion:	232	Resp:	235222
Ion Ratio	Lower	Upper	
232	100		
131	46.4	38.4	57.6
130	2.2	1.8	2.8
166	30.9	23.9	35.9





#59

Diethylphthalate

Concen: 43.39 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:149 Resp: 1083873

Ion Ratio Lower Upper

149 100

177 19.8 15.7 23.5

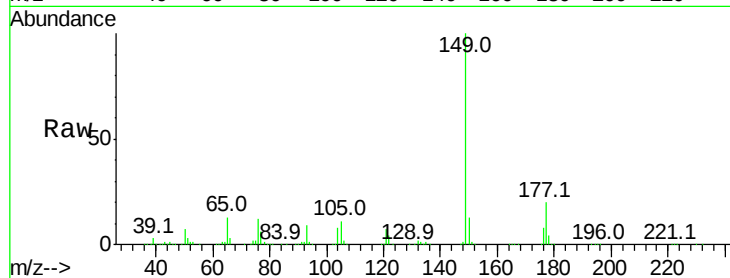
150 12.8 10.2 15.2

Manual Integrations

APPROVED

UMANGI

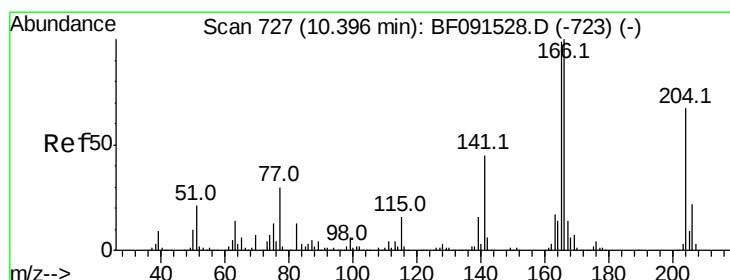
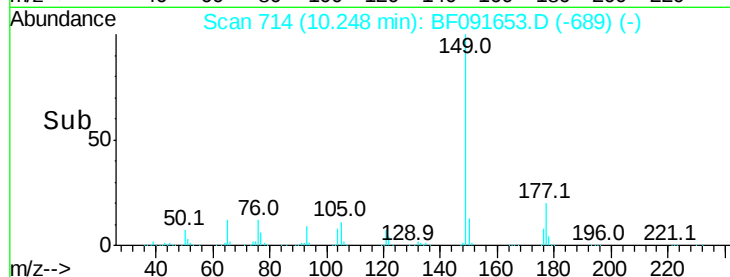
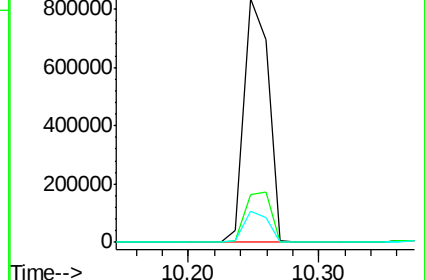
12/16/2016 6:22:36 PM



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: 40.53 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

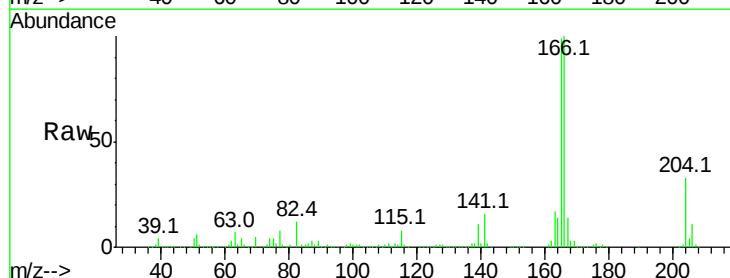
Tgt Ion:204 Resp: 438727

Ion Ratio Lower Upper

204 100

206 33.5 26.1 39.1

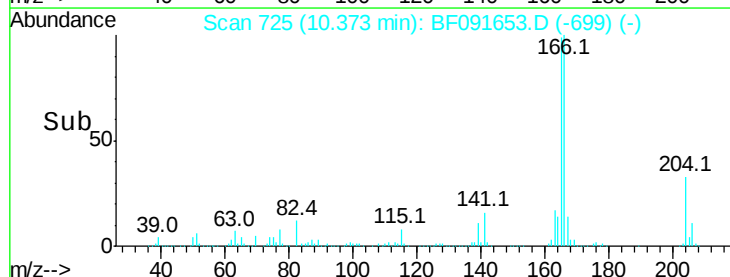
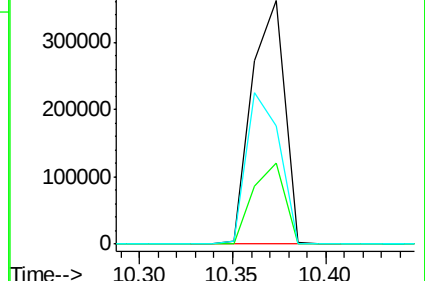
141 48.4 40.6 61.0

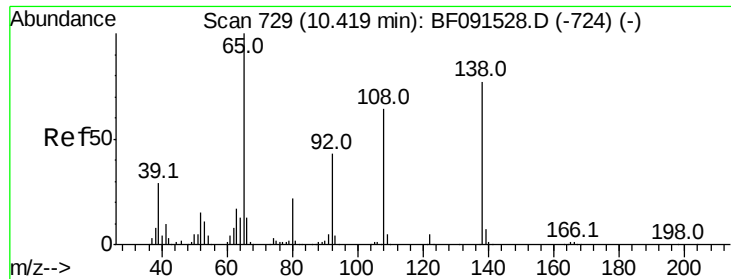


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





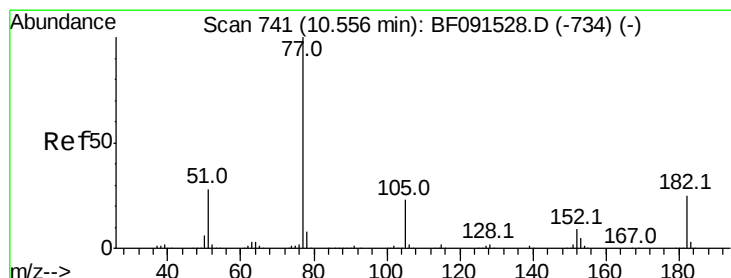
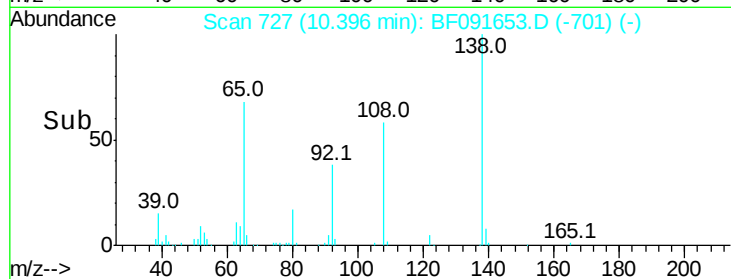
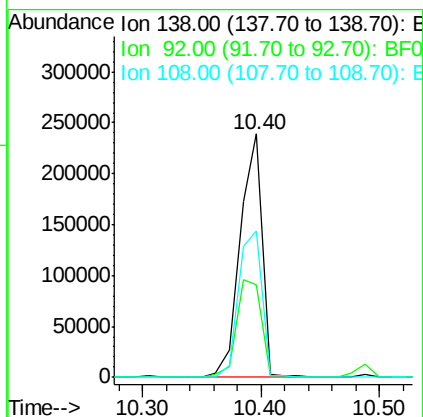
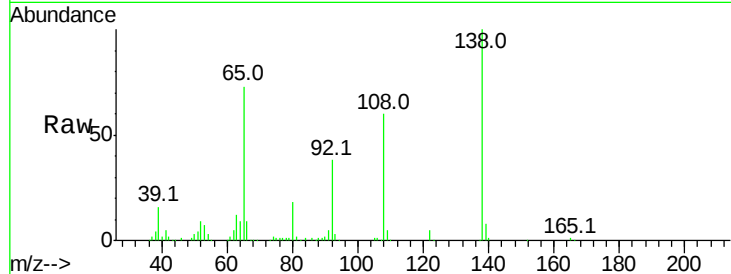
#61
4-Nitroaniline
Concen: 45.95 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	38.2	26.9	66.9	
108	60.1	49.1	89.1	

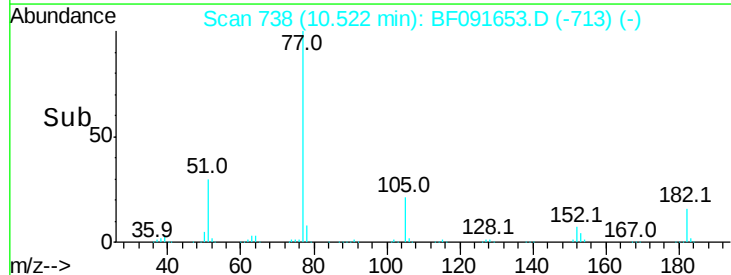
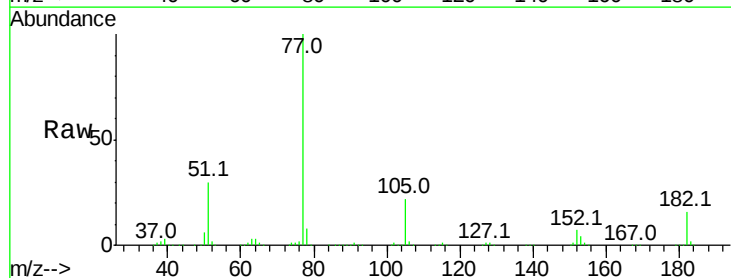
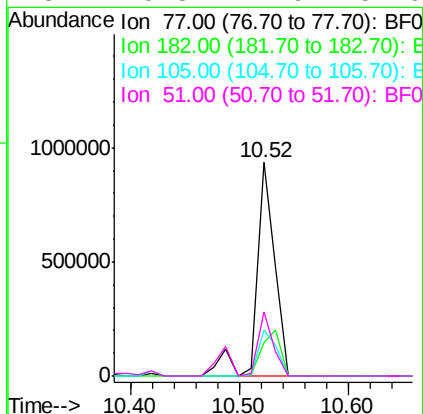
Manual Integrations
APPROVED

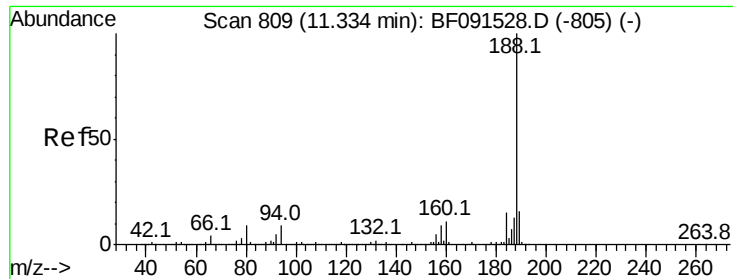
UMANGI
12/16/2016 6:22:36 PM



#62
Azobenzene
Concen: 39.13 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	15.7	12.5	52.5	
105	21.8	3.7	43.7	
51	29.8	11.9	51.9	





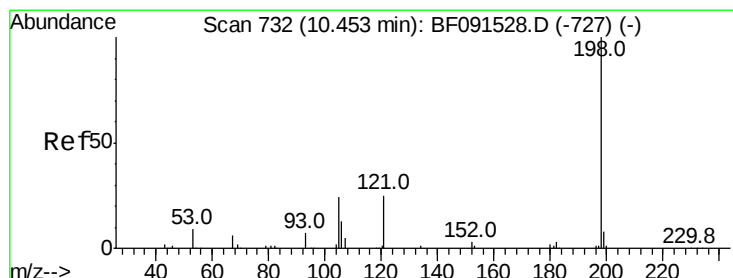
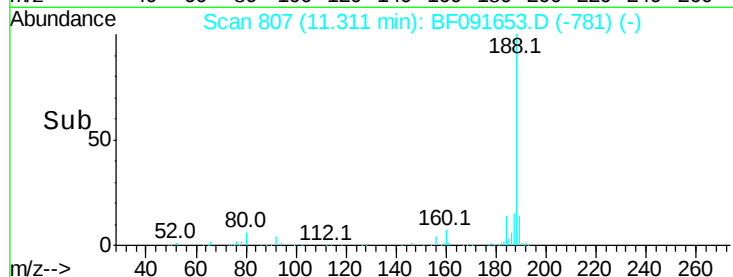
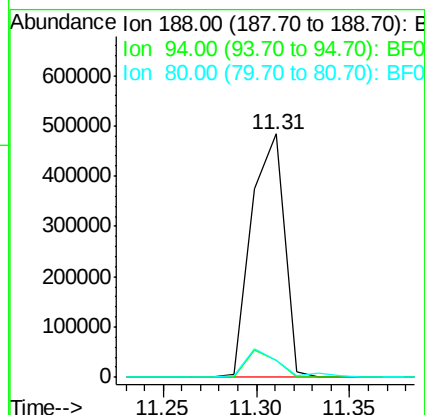
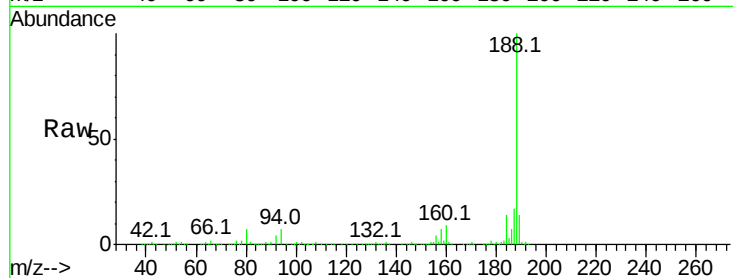
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.0	9.2	13.8#
80	7.2	10.5	15.7#

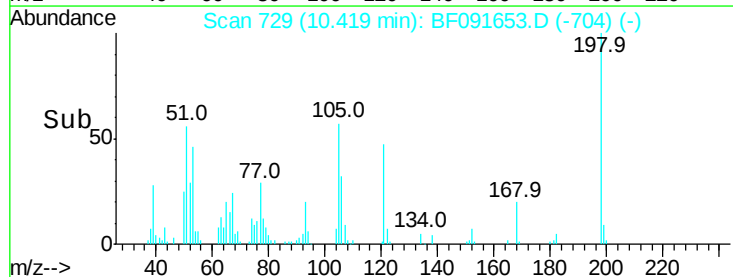
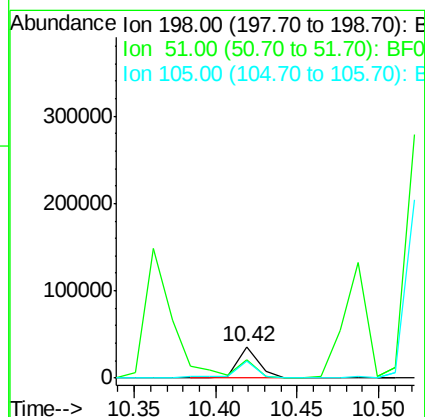
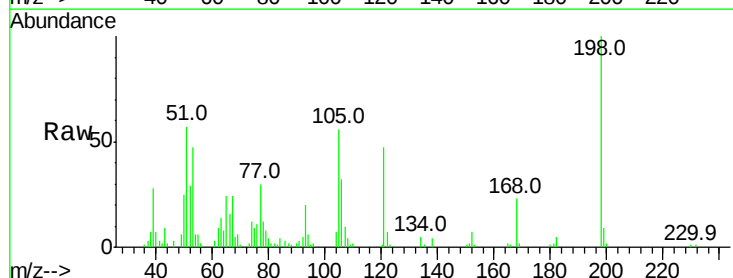
Manual Integrations
APPROVED

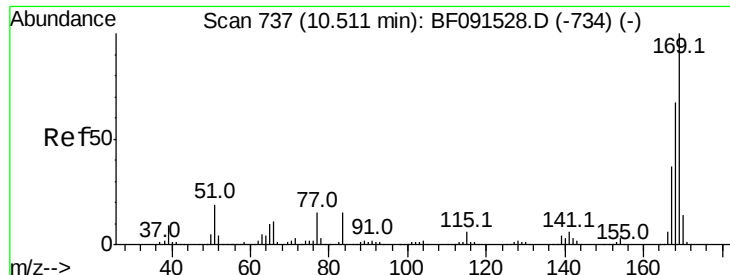
UMANGI
12/16/2016 6:22:36 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 11.19 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	57.1	77.1	117.1#
105	56.3	44.8	84.8





#65

n-Nitrosodiphenylamine

Concen: 47.62 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:169 Resp: 854460

Ion Ratio Lower Upper

169 100

168 67.3 53.8 80.8

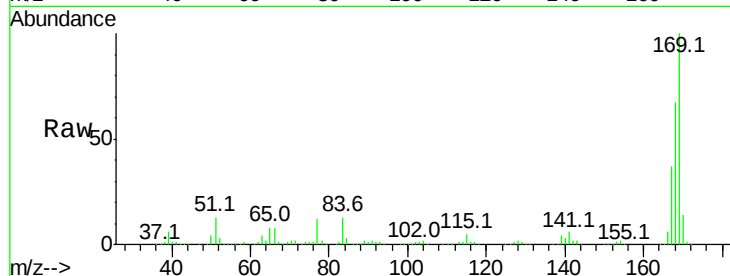
167 37.1 29.8 44.8

Manual Integrations

APPROVED

UMANGI

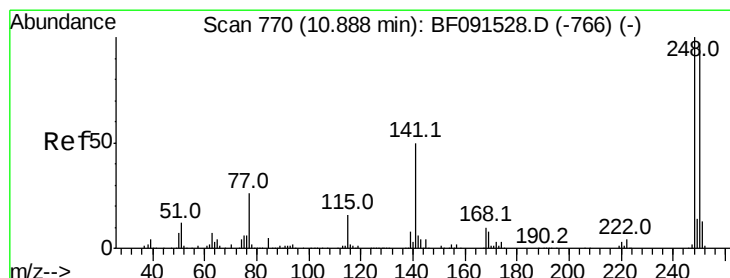
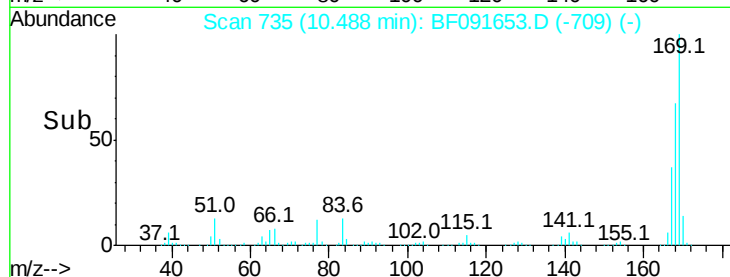
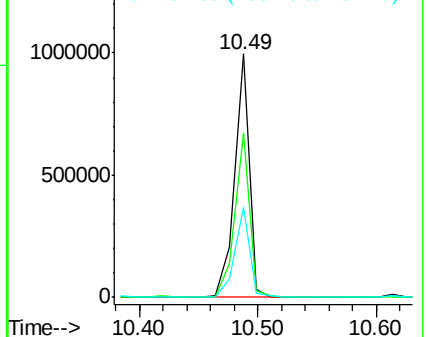
12/16/2016 6:22:36 PM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.55 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

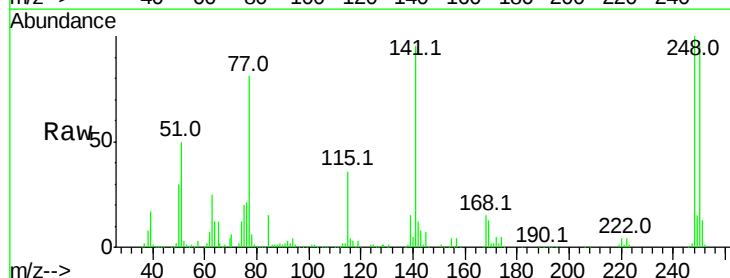
Tgt Ion:248 Resp: 268718

Ion Ratio Lower Upper

248 100

250 94.9 78.2 117.4

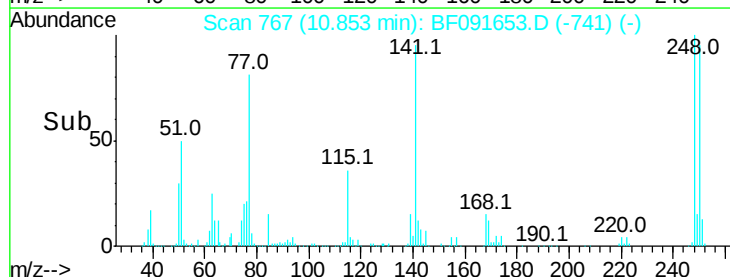
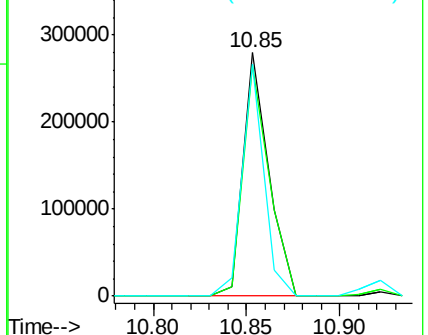
141 95.1 71.9 107.9

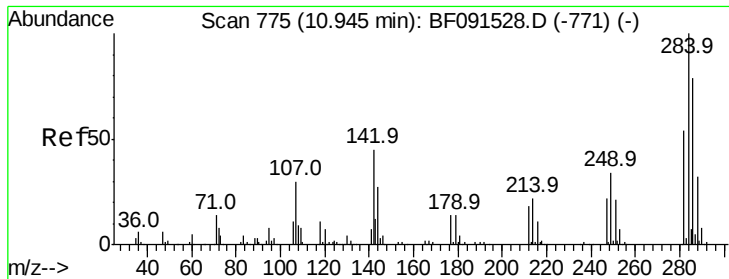


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





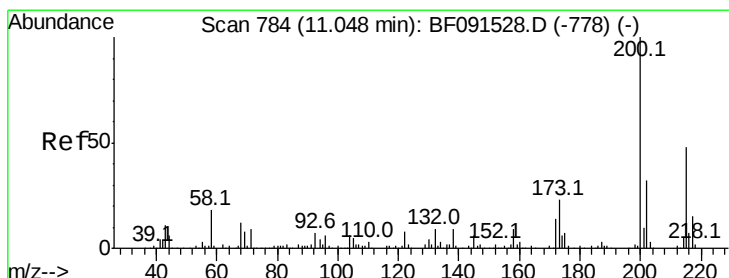
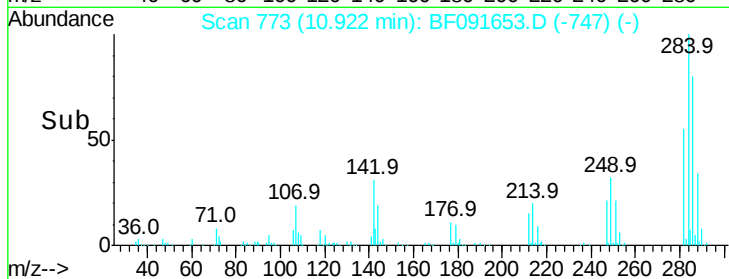
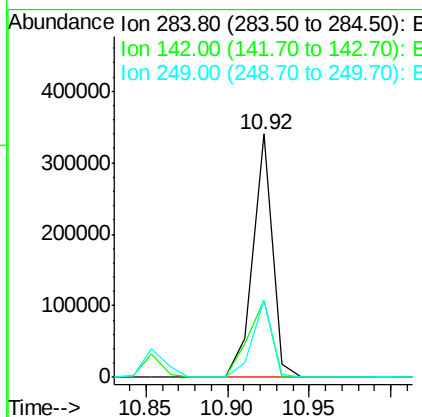
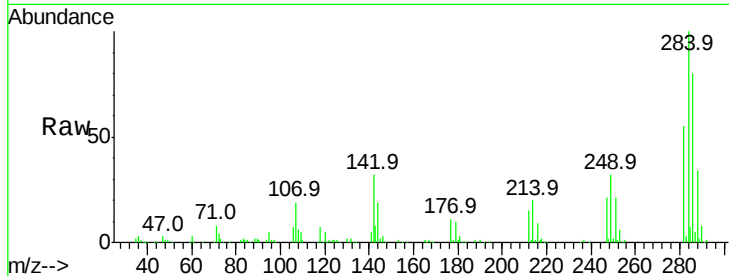
#67
Hexachlorobenzene
Concen: 44.23 ng
RT: 10.92 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	31.5	17.9	26.9#
249	31.9	23.6	35.4

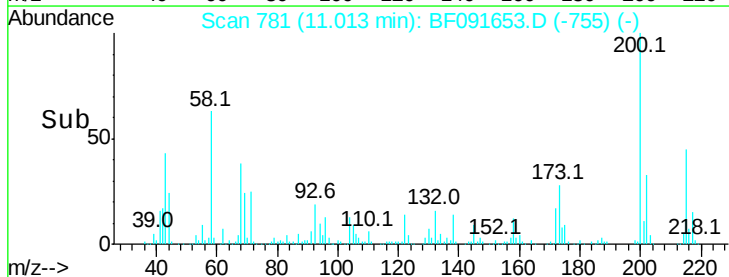
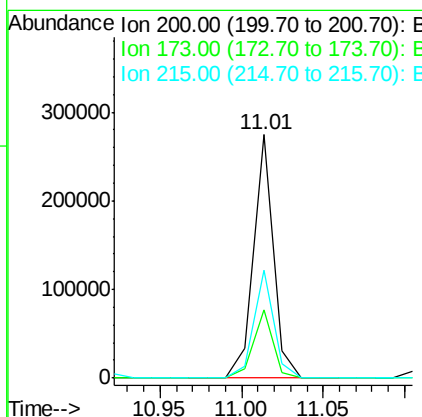
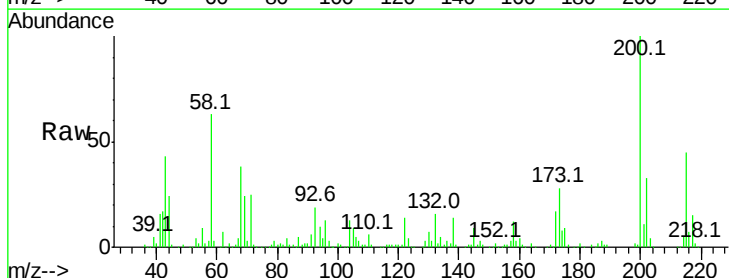
Manual Integrations
APPROVED

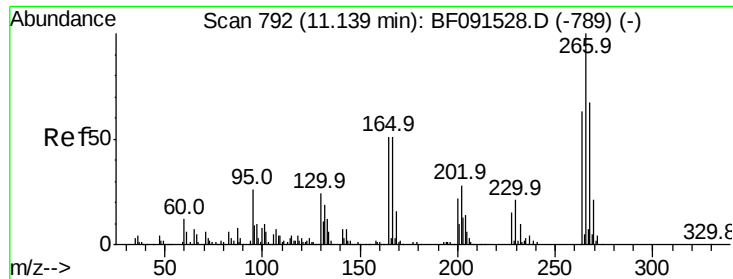
UMANGI
12/16/2016 6:22:36 PM



#68
Atrazine
Concen: 40.43 ng
RT: 11.01 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.3	7.8	47.8
215	44.5	24.3	64.3





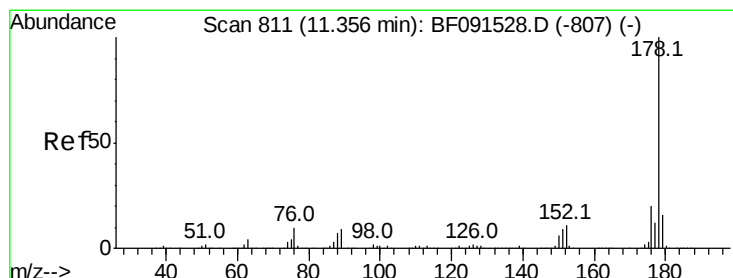
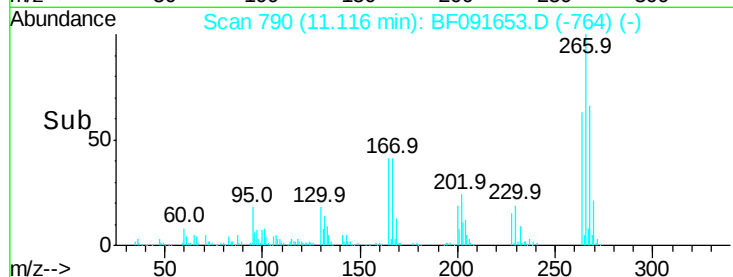
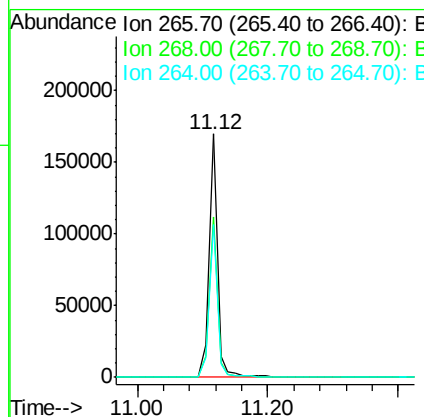
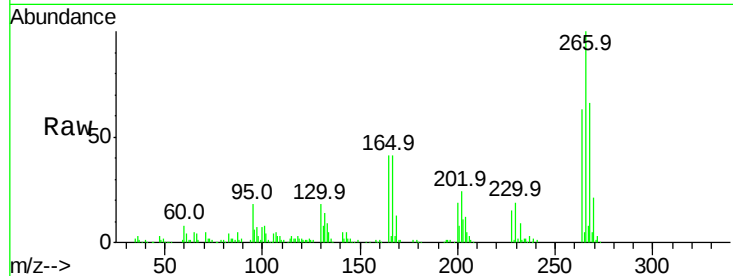
#69
 Pentachlorophenol
 Concen: 42.27 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Resp	Lower	Upper
266	100	152636		
268	66.0	50.3	75.5	
264	62.6	48.2	72.2	

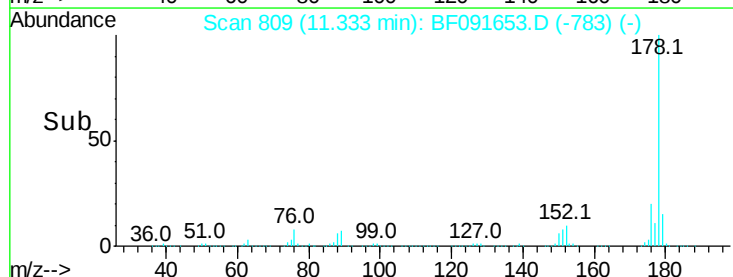
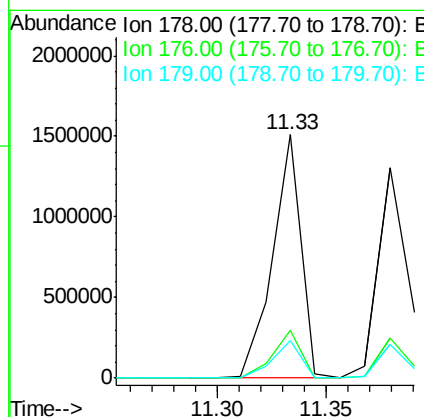
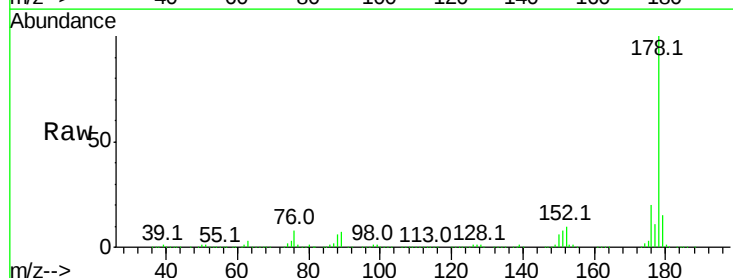
Manual Integrations
 APPROVED

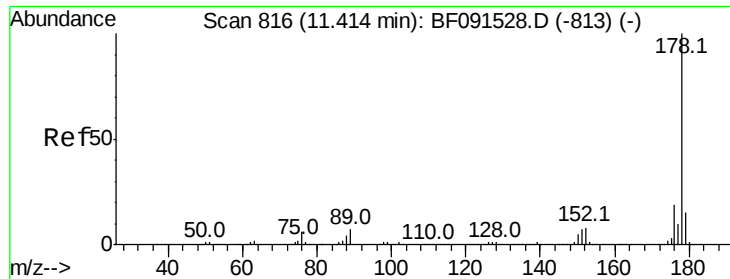
UMANGI
 12/16/2016 6:22:36 PM



#70
 Phenanthrene
 Concen: 46.40 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1382961		
176	19.9	15.9	23.9	
179	15.5	12.6	18.8	





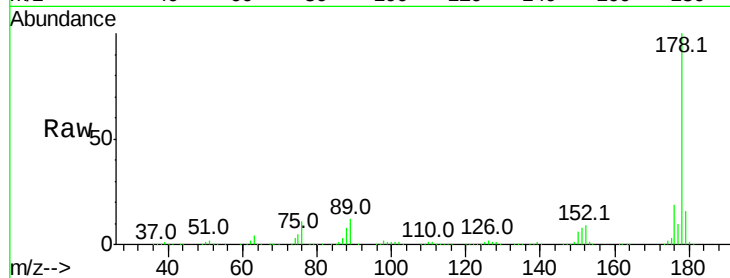
#71
 Anthracene
 Concen: 38.55 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

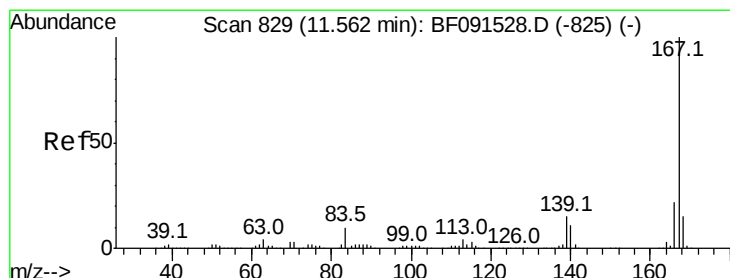
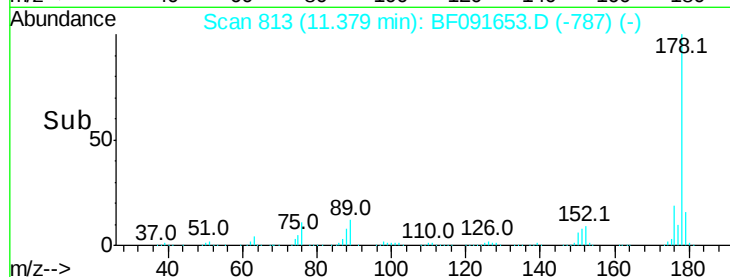
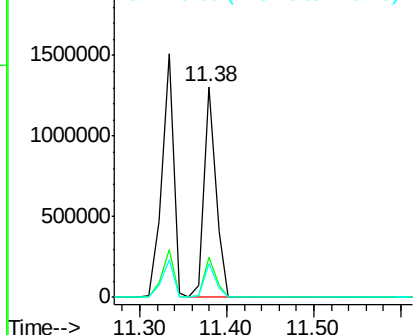
Tot Ion:178 Resp: 1239244
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.6
 179 16.0 12.7 19.1

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM



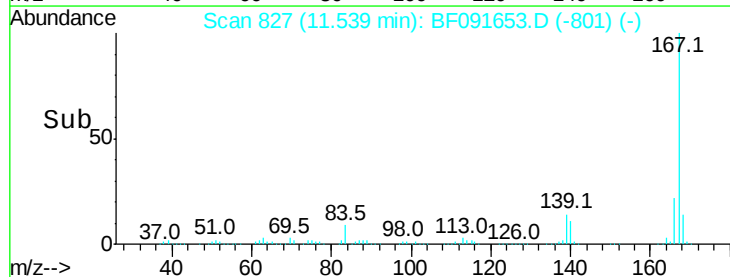
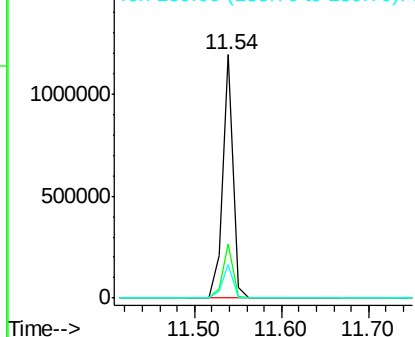
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

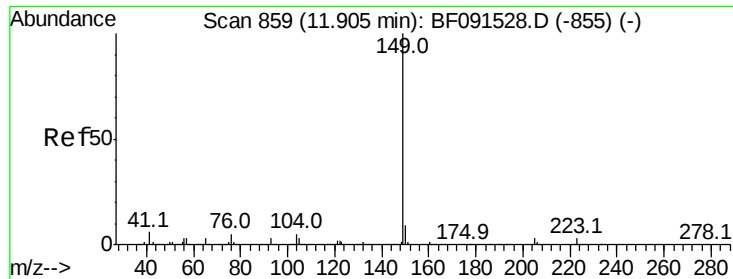


#72
 Carbazole
 Concen: 35.81 ng
 RT: 11.54 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion:167 Resp: 1008985
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.1 27.1
 139 13.9 11.5 17.3

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





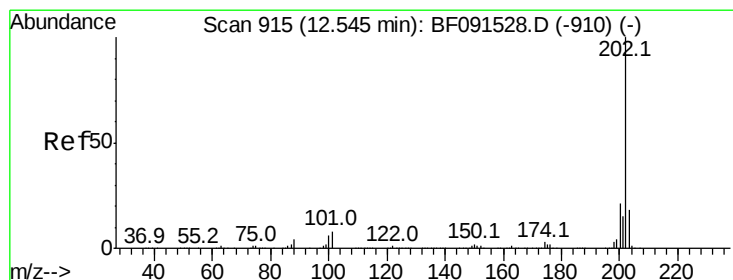
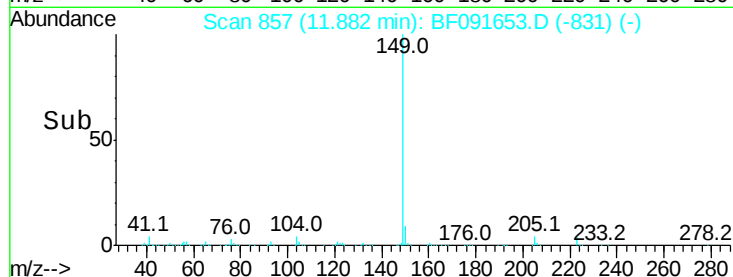
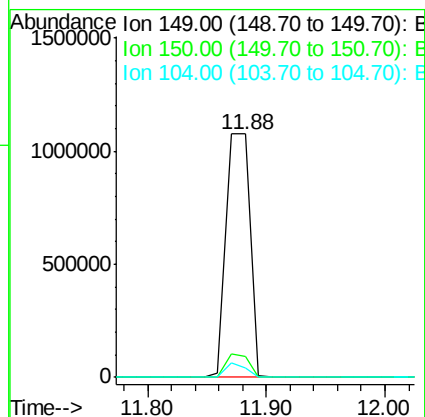
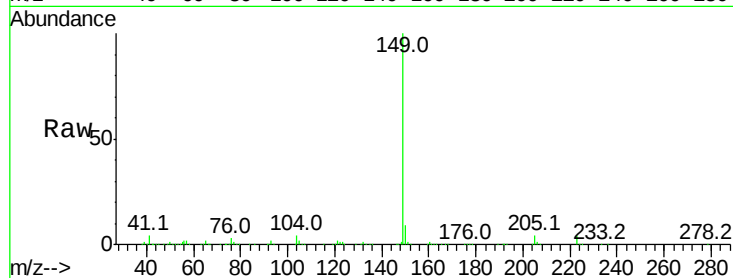
#73
Di-n-butylphthalate
Concen: 45.48 ng
RT: 11.88 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	3.8	4.0	6.0

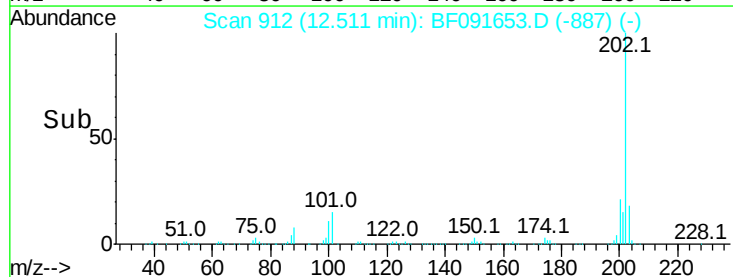
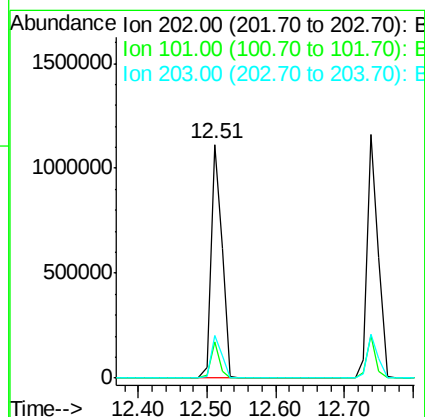
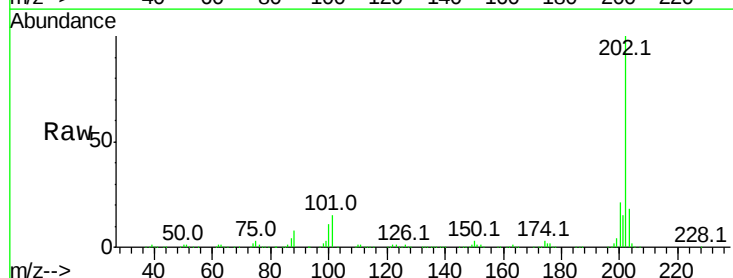
Manual Integrations
APPROVED

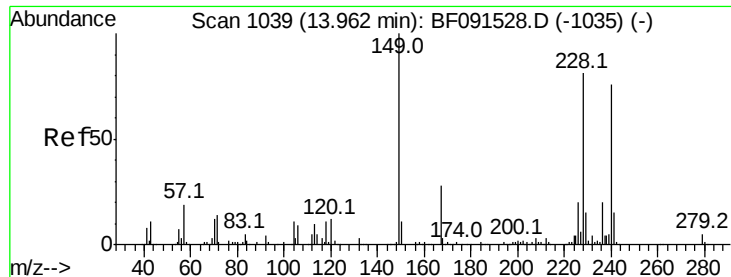
UMANGI
12/16/2016 6:22:36 PM



#74
Fluoranthene
Concen: 39.51 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	29.5
203	18.0	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tot Ion:240 Resp: 419536

Ion Ratio Lower Upper

240 100

120 13.2 12.1 18.1

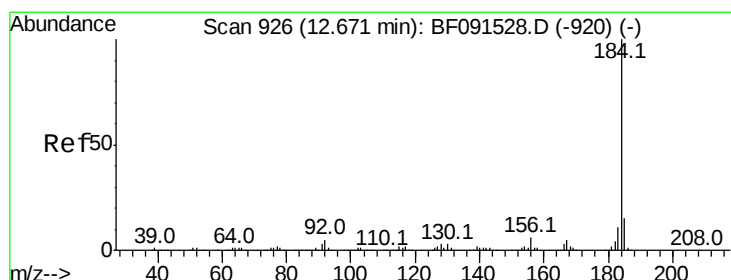
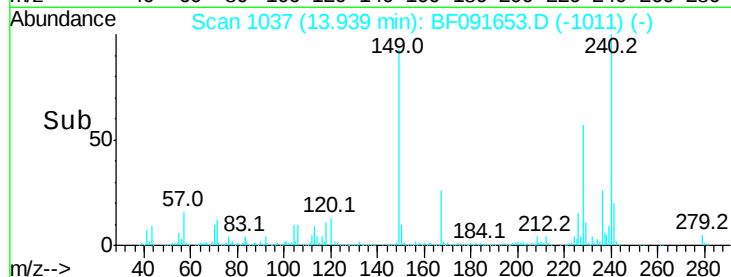
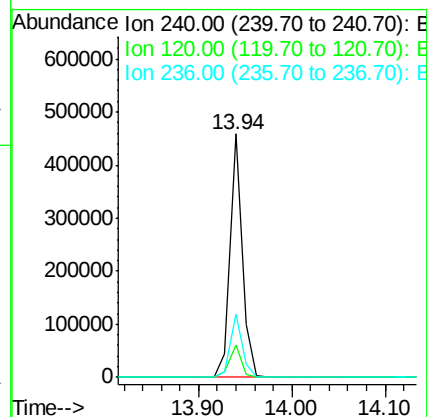
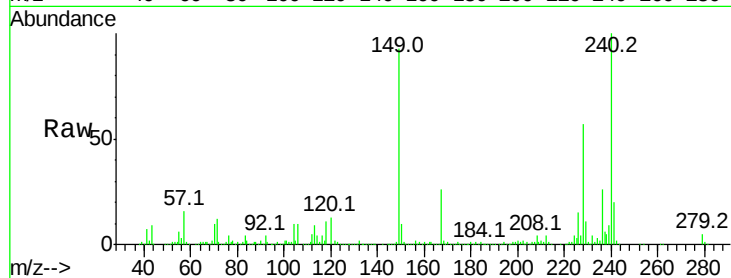
236 25.8 21.0 31.6

Manual Integrations

APPROVED

UMANGI

12/16/2016 6:22:36 PM



#76

Benzidine

Concen: 41.55 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

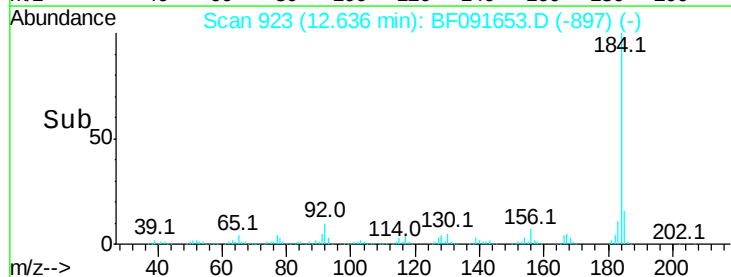
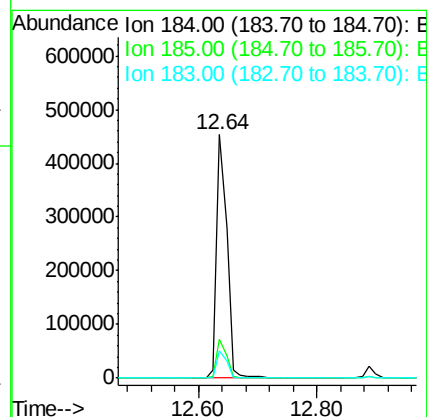
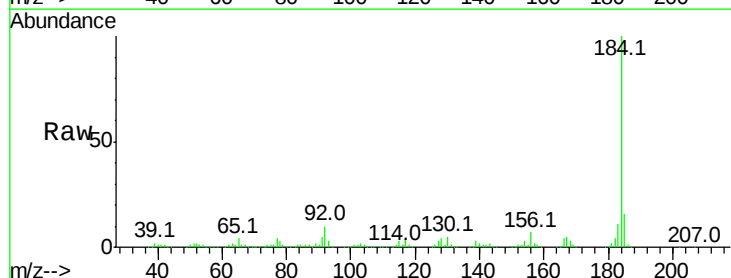
Tgt Ion:184 Resp: 539047

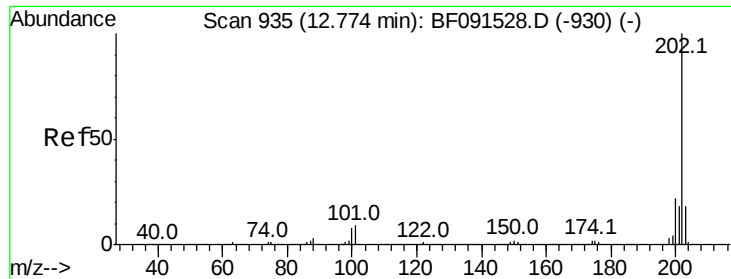
Ion Ratio Lower Upper

184 100

185 16.0 13.1 19.7

183 11.0 8.9 13.3





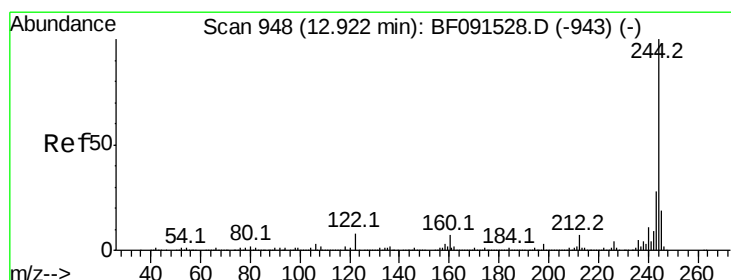
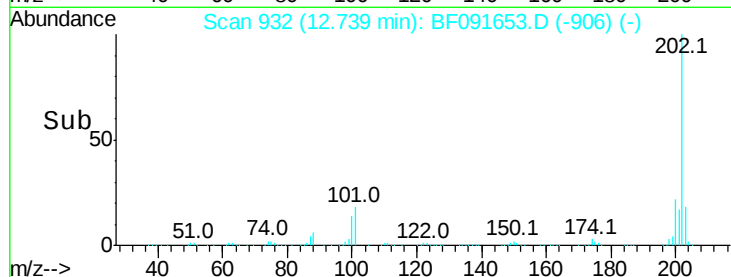
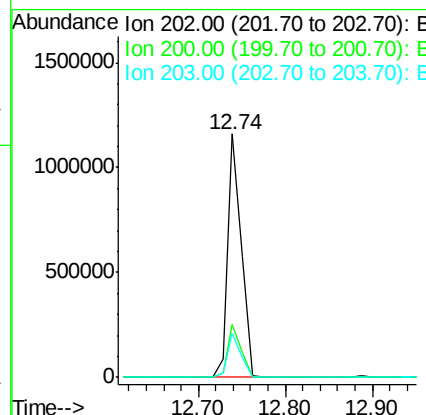
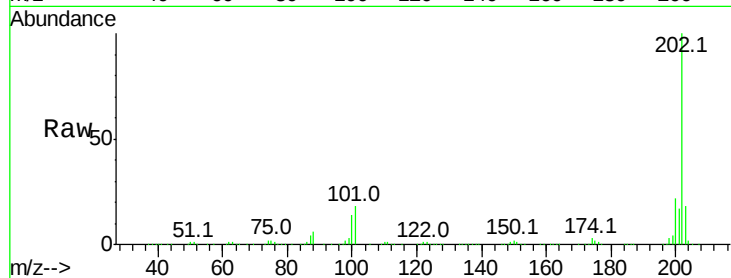
#77
Pvrene
Concen: 37.90 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion:202 Resp: 1261426
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.0 14.0 21.0

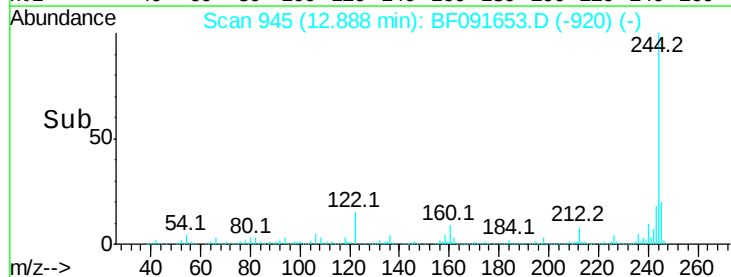
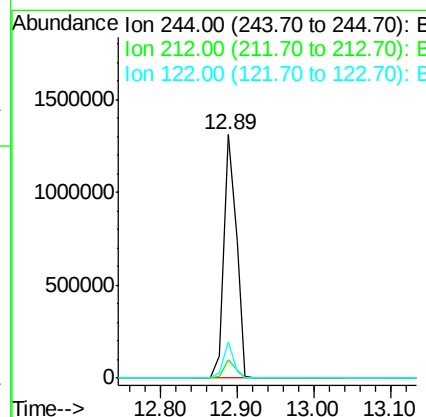
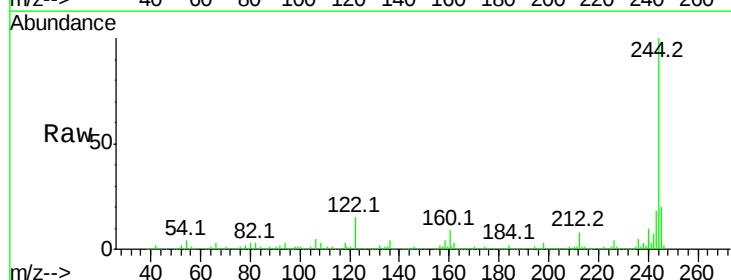
Manual Integrations
APPROVED

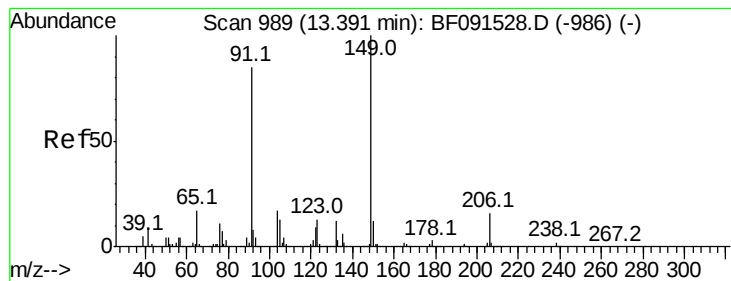
UMANGI
12/16/2016 6:22:36 PM



#78
Terphenyl-d14
Concen: 81.18 ng
RT: 12.89 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion:244 Resp: 1500995
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 14.7 9.5 14.3#





#79

Butylbenzylphthalate

Concen: 42.25 ng

RT: 13.37 min Scan# 987

Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Instrument :

BNA_F

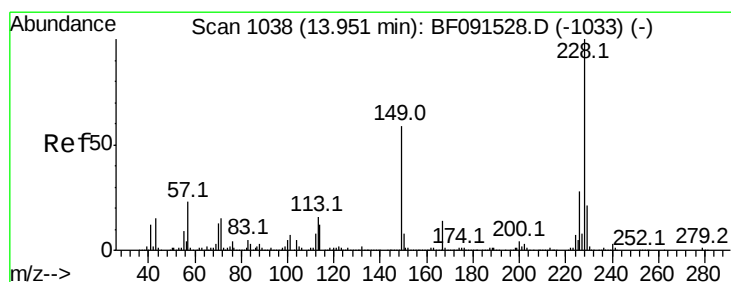
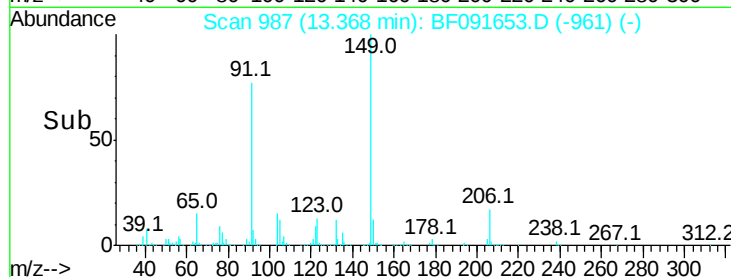
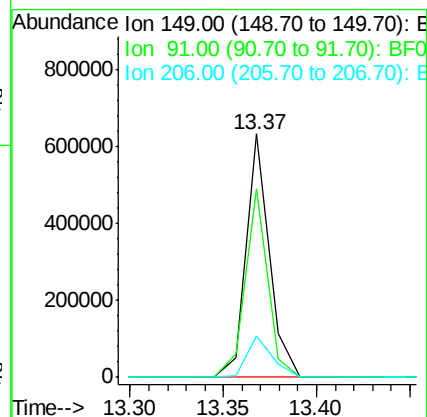
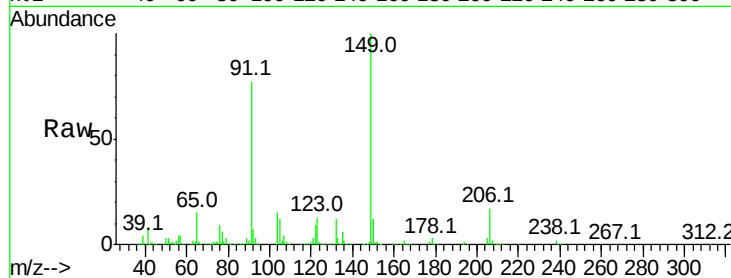
ClientSampleId :

SSTDCCC040

Tot Ion:	149	Resp:	548193
Ion Ratio	Lower	Upper	
149	100		
91	77.4	57.4	86.2
206	17.2	15.4	23.2

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:22:36 PM



#80

Benzo(a)anthracene

Concen: 41.34 ng

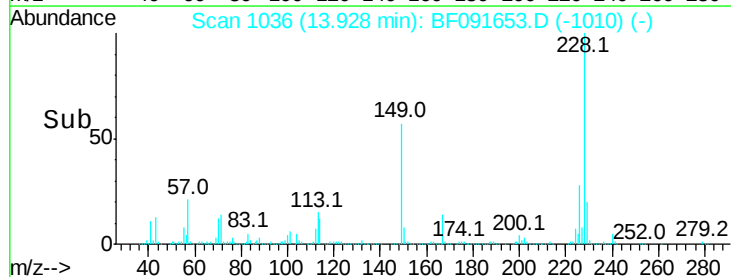
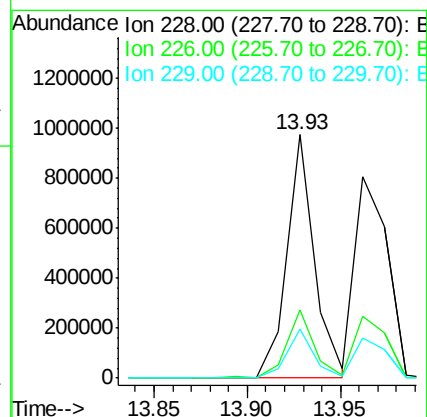
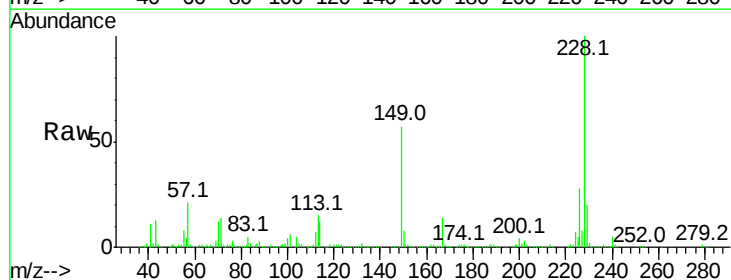
RT: 13.93 min Scan# 1036

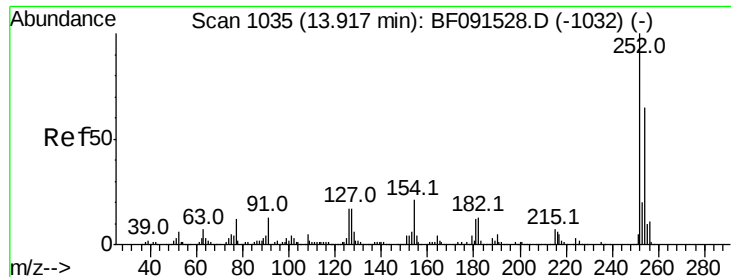
Delta R.T. -0.00 min

Lab File: BF091653.D

Acq: 16 Dec 2016 4:06

Tgt Ion:	228	Resp:	1007174
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.5	33.7
229	20.4	16.4	24.6





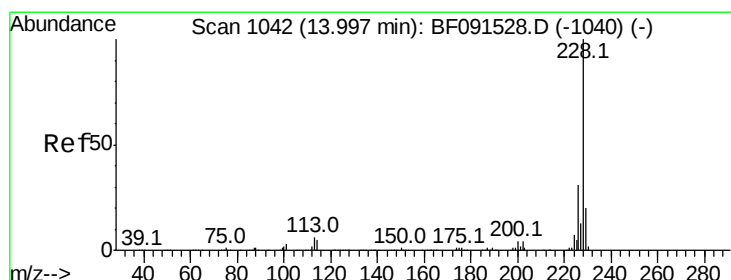
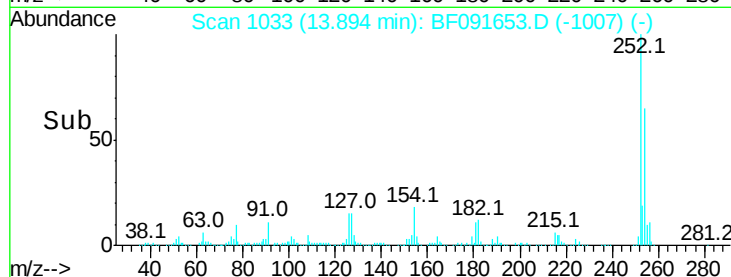
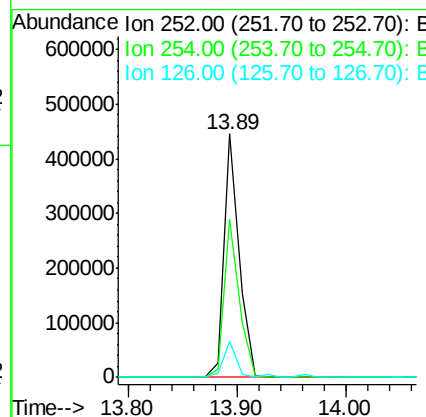
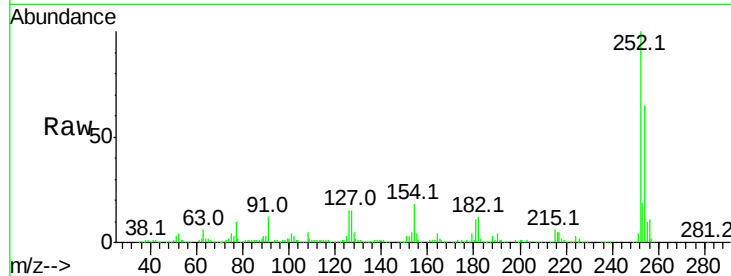
#81
 3,3'-Dichlorobenzidine
 Concen: 49.70 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.1	78.1
126	15.1	7.5	11.3

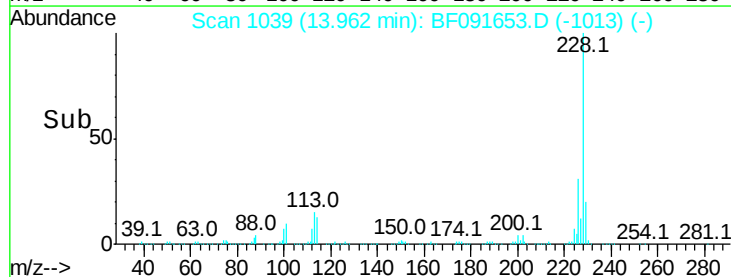
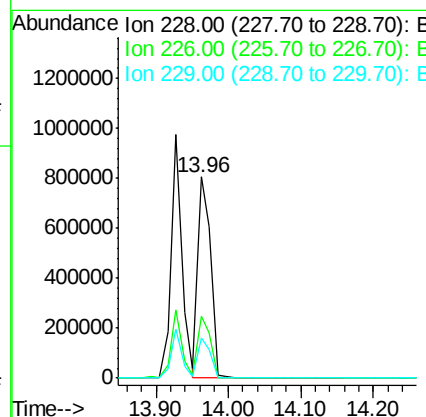
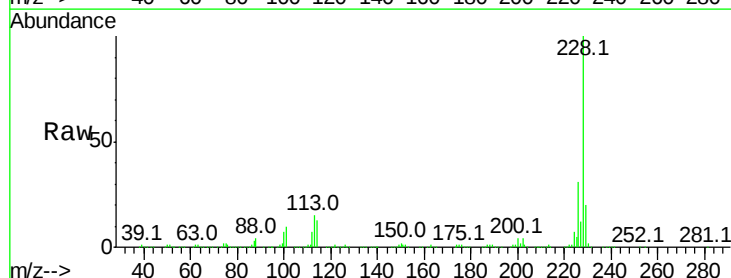
Manual Integrations
 APPROVED

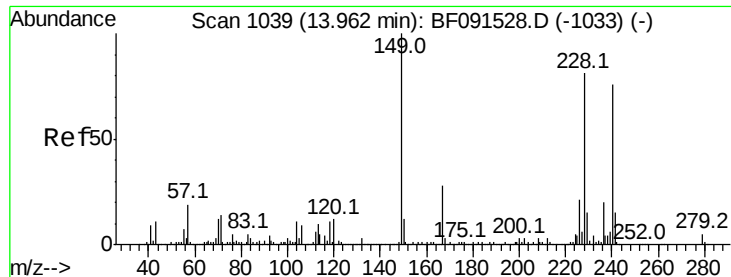
UMANGI
 12/16/2016 6:22:36 PM



#82
 Chrysene
 Concen: 38.92 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.4
229	20.1	16.0	24.0





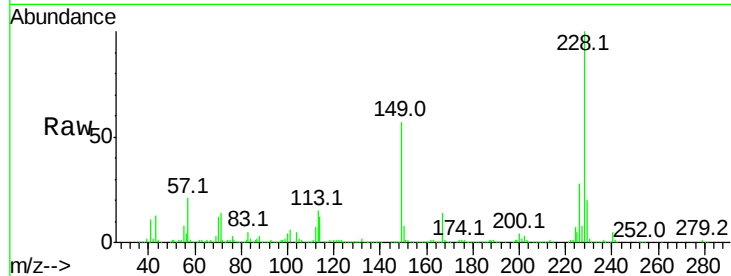
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.99 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

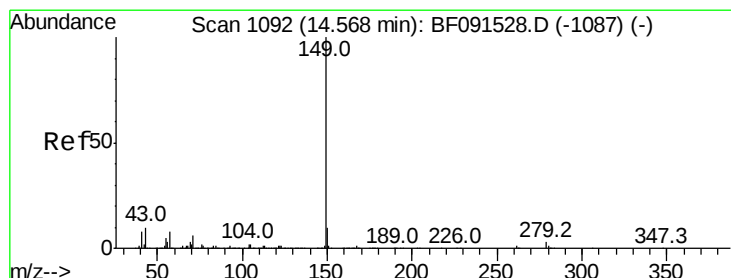
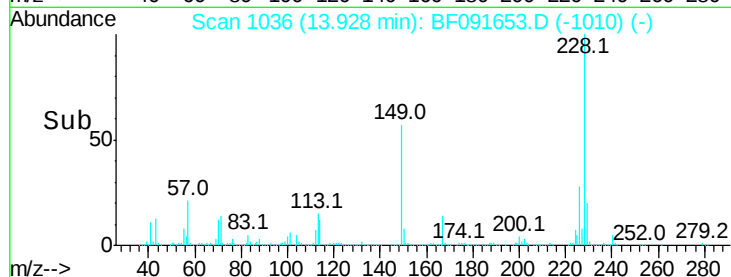
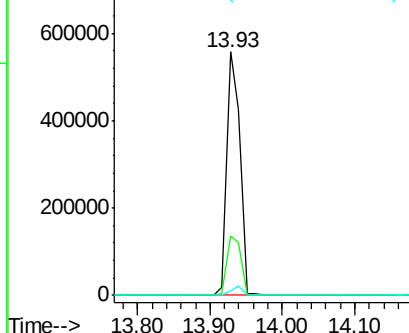
Tot Ion	Ratio	Lower	Upper
149	100		
167	24.6	19.6	29.4
279	2.0	1.9	2.9

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM

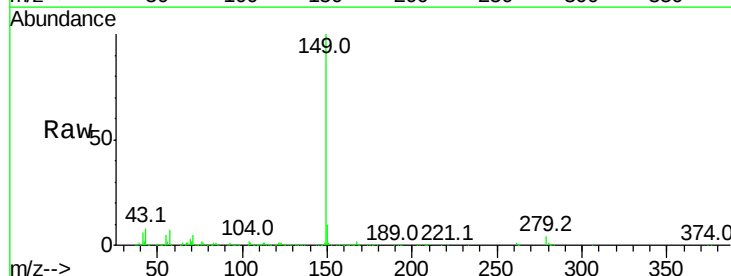


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

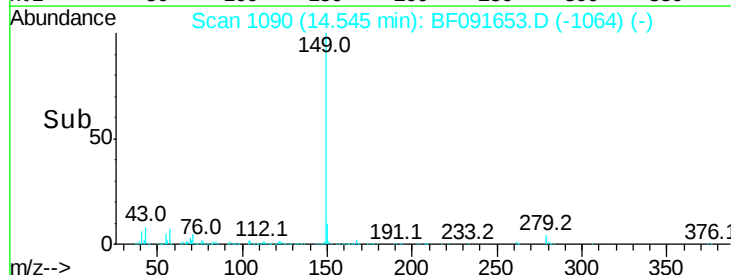
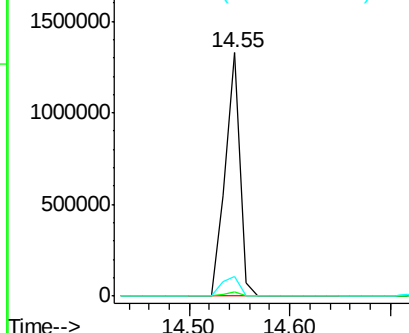


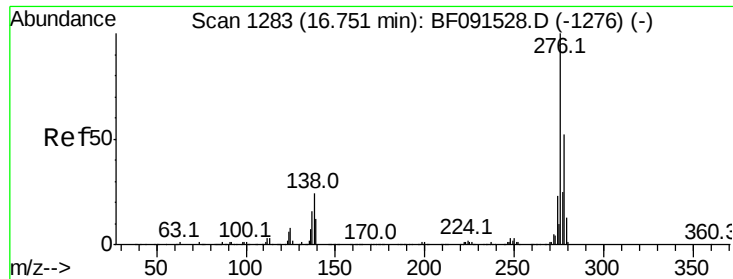
#84
 Di-n-octyl phthalate
 Concen: 47.76 ng
 RT: 14.55 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.0	11.9	17.9#



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





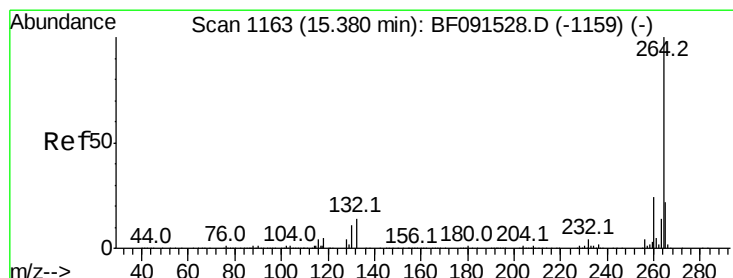
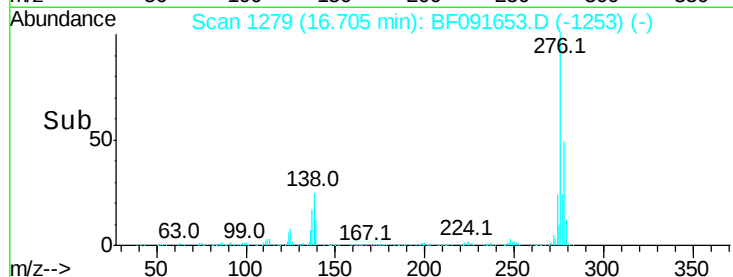
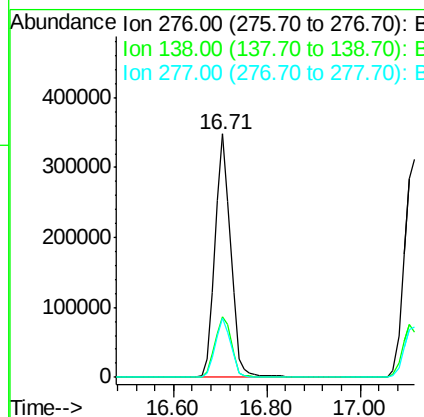
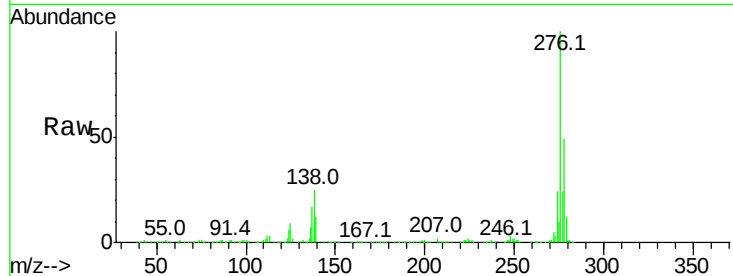
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.59 ng
 RT: 16.71 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.0	31.4
277	24.6	20.2	30.2

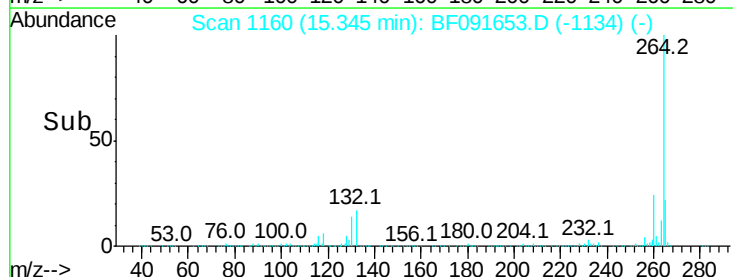
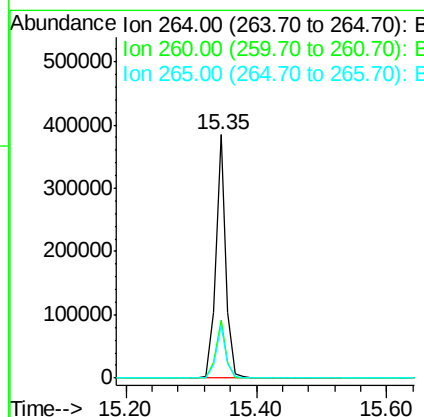
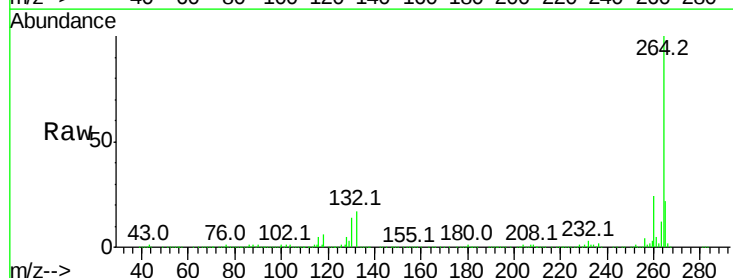
Manual Integrations
 APPROVED

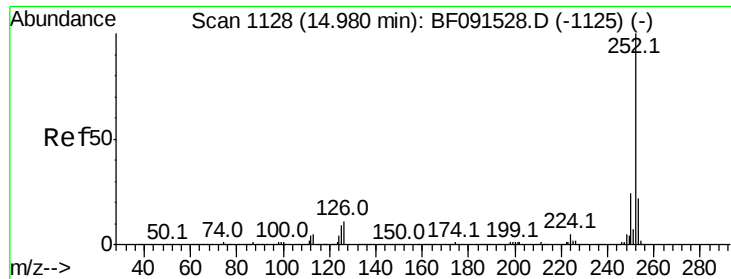
UMANGI
 12/16/2016 6:22:36 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.5	17.0	25.6





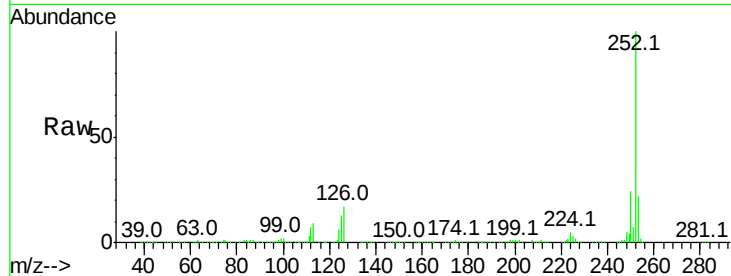
#87
Benzo(b)fluoranthene
Concen: 53.46 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

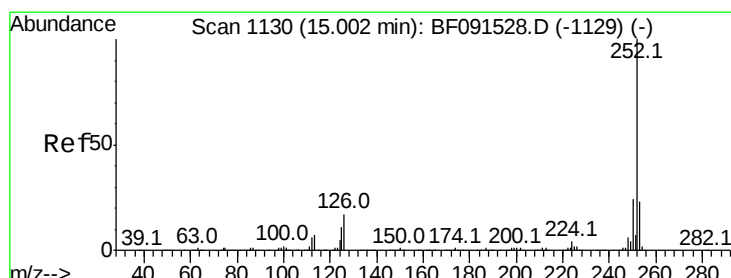
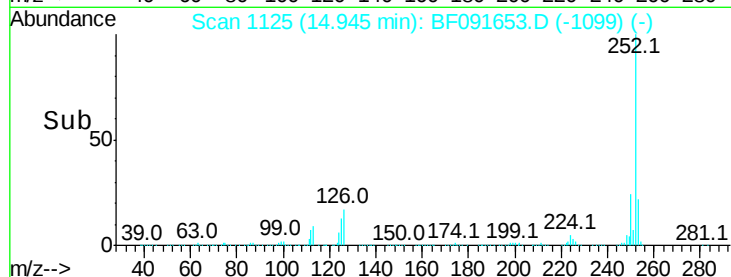
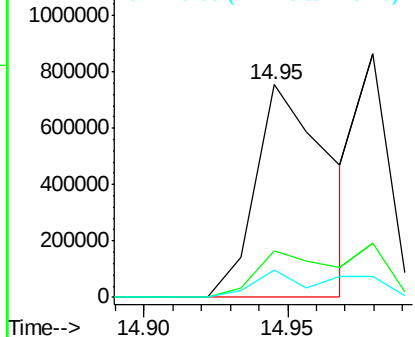
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	12.8	8.6	13.0

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:22:36 PM



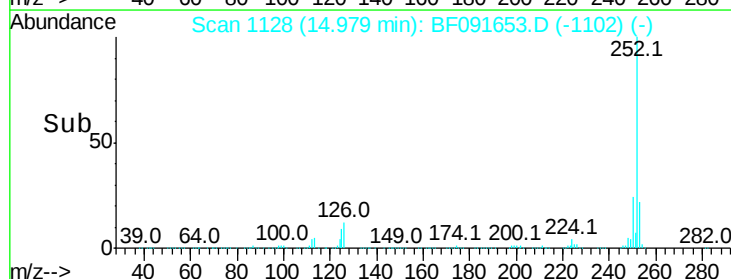
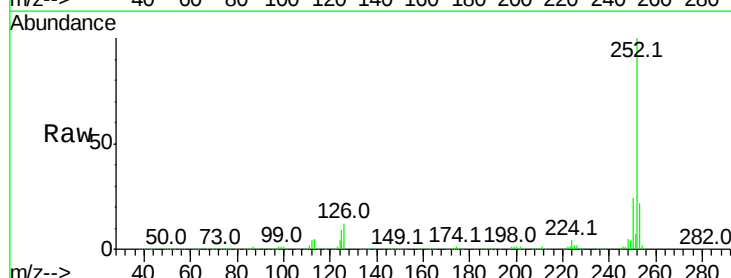
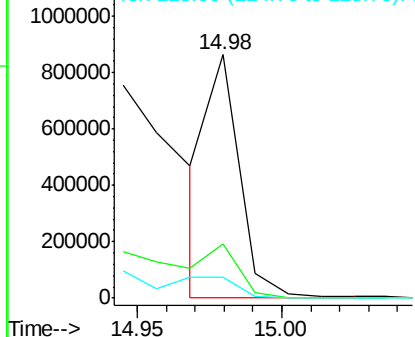
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

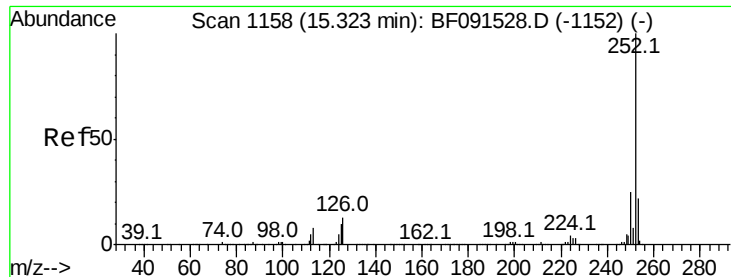


#88
Benzo(k)fluoranthene
Concen: 30.44 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	8.6	9.6	14.4#

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





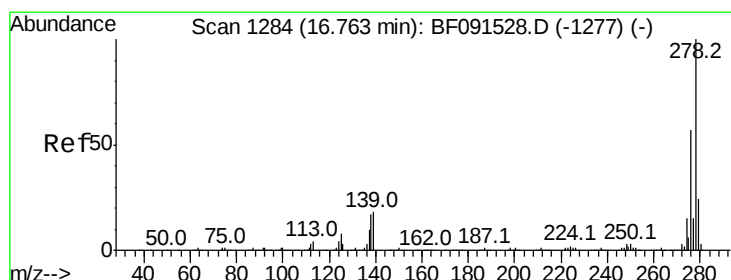
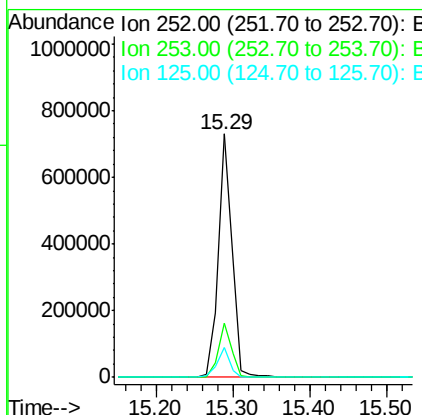
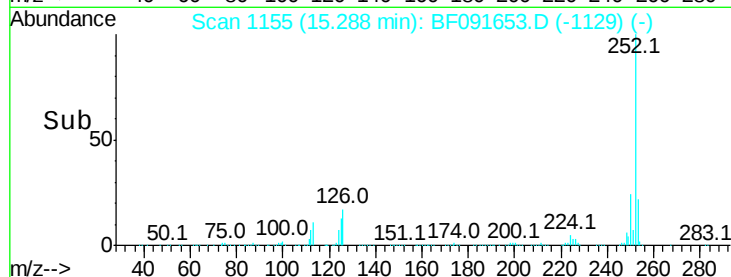
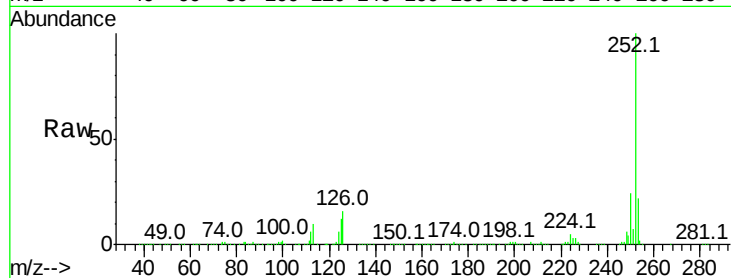
#89
Benzo(a)pyrene
Concen: 40.02 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	12.5	10.4	15.6

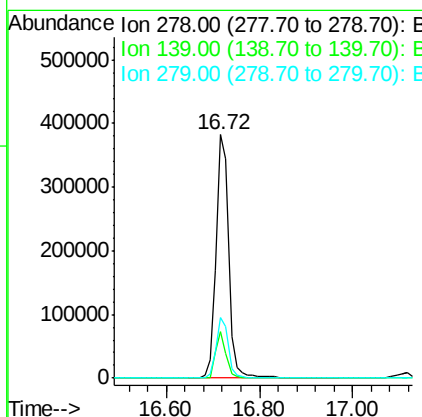
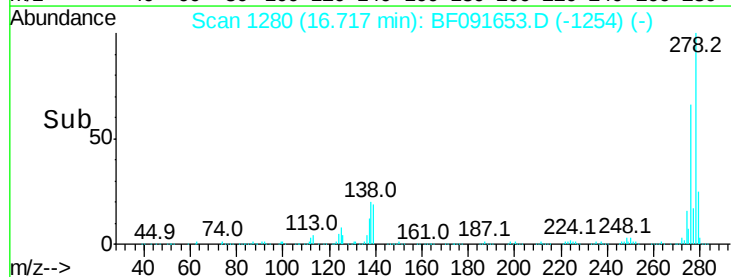
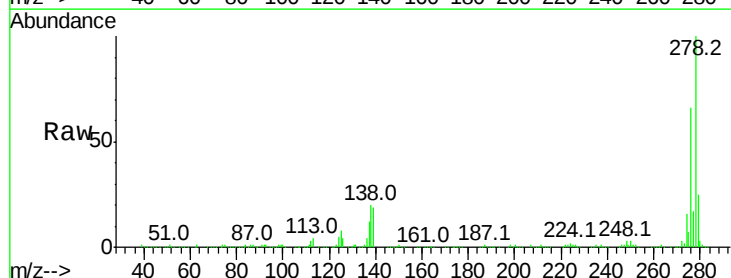
Manual Integrations
APPROVED

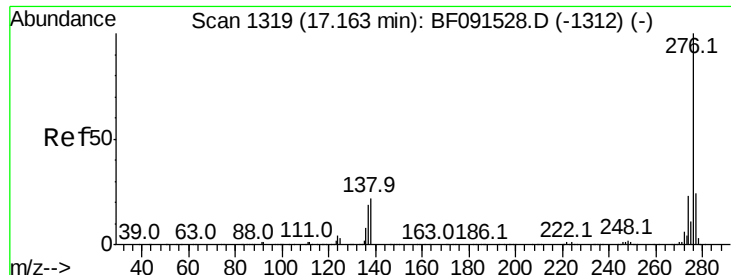
UMANGI
12/16/2016 6:22:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 35.62 ng
RT: 16.72 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BF091653.D
Acq: 16 Dec 2016 4:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.1	22.7
279	24.9	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 33.17 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: BF091653.D
 Acq: 16 Dec 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	20.7	15.4	23.0

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:22:36 PM

